AUG 8 1917

11, 326

THIRTY-FIFTH

ANNUAL REPORT

LIBRARY
MUS. COMP. ZOOLOGY,
CAMBRIDGE, MASS.

OF THE

FISHERY BOARD FOR SCOTLAND

Being for the Year 1916.

Presented to Parliament by Command of His Majesty.



EDINBURGH:
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased through any Bookseller or directly from
H.M. STATIONERY OFFICE at the following addresses:
23 Forth Street, Edinburgh;
Imperial House, Kingsway, London, W.C.2, and 28 Abingdon Street, London, S.W.1;
37 Peter Street, Manchester; 1 St. Andrew's Crescent, Cardiff;
or from E. PONSONBY, Ltd., 116 Grafton Street, Dublin;
or from the Agencies in the British Colonies and Dependencies,
the United States of America and other Foreign Countries of
T. FISHER UNWIN, Ltd., London, W.C. 2.

1917.

[Cd. 8625.] *Price* 9*d.*

GOVERNMENT PUBLICATIONS

(with the under-mentioned exceptions)

can be purchased in the manner indicated on the first page of this wrapper.

Hydrographical Publications of the Admiralty are sold by—
J. D. Potter, 145, Minories, London, E. **1.**

Patent Office Publications are sold at—
The Patent Office, 25, Southampton Buildings, Chancery Lane, London, W.C. **2.**
(N.B.—Classified Abridgments of Patent Specifications are sold also by Wyman and Sons, Ltd., 29, Breams Buildings, Fetter Lane, London, E.C. **4.**)

Ordnance Survey and **Geological Survey Publications** can be purchased from—
The Director-General of the Ordnance Survey, Southampton; or
The Superintendent, Ordnance Survey, Dublin; or
Agents in most of the chief towns in the United Kingdom.
(N.B.—**Small Scale Maps** are, as a rule, procurable at Railway Bookstalls in England and Wales.)

The **Journal of the Board of Agriculture and Fisheries** is published monthly by the Board, and is obtainable from 3, St. James's Square, London, S.W. **1.** Price 4*d.*, post free.

The **London Gazette** is published on Tuesday and Friday evenings by Wyman and Sons, Ltd. Price 1*s.*

The following is a list of some Parliamentary and Official Publications:—

FISHERY BOARD FOR SCOTLAND.

34TH ANNUAL REPORT, FOR THE YEAR 1915.

Part I.—General Statement; Means of Capture; Herring Fishery; Scottish Fishermen at English and Irish Fishings; Herring Curing; Cured Herrings Exported; White Fish Fishing; Curing of White Fish; Persons engaged in Scottish Fisheries; Improvement of Fishery Harbours. *With Diagram.*

Part II.—Salmon Fisheries. *With Diagram.*

Part III.—Scientific Investigations.

Appendices; Means of Capture; Total Quantity of Fish Landed; Fish Used in a Fresh State; Fish Cured; Cured Fish Branded and Exported, and Value of same; Persons Employed; Piers and Harbours; Harbour Improvement Schemes; Salmon Inspector's Report; Annual Close Times applicable to the Salmon Rivers in Scotland; List of Chairmen and Clerks of Salmon Fishery Districts in Scotland.

[Cd. 8281] of Session 1916. Price 7½*d.*, post free 9½*d.*

BYELAWS, CLOSE SEASON ORDERS, &c.,

affecting the Sea and Salmon Fisheries of Scotland, in force on Sept. 30, 1913. (1913.) Price 9*d.*, post free 10*d.*

SALMON FISHERIES, 1910.

I. Infrequency of Spawning in the Salmon, as shown by the Study of the Scales of Fish caught in Fresh Water.

II. Results of Salmon Marking—seventh paper.

III. A Study of Fish received as "Mended Male Kelts."

(1911.) Price 6*d.*, post free 7*d.*

SALMON FISHERIES, 1911.

I. Infrequency of Spawning in the Salmon. (1912.) Price 3*d.*, post free 3½*d.*

II. Results of Salmon Marking—eighth paper. (1912.) Price 2*d.*, post free 2½*d.*

SALMON FISHERIES, 1912.

I. Scales of Salmon of the River Add. *With 3 Plates.* (1913.) Price 4*d.*, post free 4½*d.*

THIRTY-FIFTH

ANNUAL REPORT

OF THE

FISHERY BOARD FOR SCOTLAND

Being for the Year 1916.

Presented to Parliament by Command of His Majesty.



EDINBURGH:
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased through any Bookseller or directly from
H.M. STATIONERY OFFICE at the following addresses:
23 FORTH STREET, EDINBURGH;
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28 ABINGDON STREET, LONDON, S.W.1;
37 PETER STREET, MANCHESTER; 1 ST. ANDREW'S CRESCENT, CARDIFF;
or from E. PONSONBY, LTD., 116 GRAFTON STREET, DUBLIN;
or from the Agencies in the British Colonies and Dependencies,
the United States of America and other Foreign Countries of
T. FISHER UNWIN, LTD., LONDON, W.C. 2.

1917.

[Cd. 8625.] *Price* 9*d.*

CONTENTS.

	PAGE
Part I.—General Statement	iii
Means of Capture	iv
Herring Fishery	v
Scottish Fishermen at English and Irish Fishings . . .	vi
Herring Curing	vi
Cured Herrings Exported	vi
White Fish Fishing	vii
Curing of White Fish	ix
Persons Engaged in Scottish Fisheries	ix
Improvement of Fishery Harbours	ix
Part II.—Salmon Fisheries	x
Part III.—Scientific Investigations	xiv
APPENDICES (*see* separate Contents)	1

AUG 8 1917

THIRTY-FIFTH ANNUAL REPORT.

TO THE RIGHT HONOURABLE

ROBERT MUNRO, K.C., M.P.,

His Majesty's Secretary for Scotland.

FISHERY BOARD FOR SCOTLAND,
EDINBURGH, 19*th June* 1917.

SIR,—

In terms of the Act 45 and 46 Vict., c. 78, we, the Fishery Board for Scotland, have the honour to present this, our Thirty-fifth Annual Report, being for the year 1916 :—

PART I.—GENERAL STATEMENT.

The course of the fishing industry in Scotland during the year was such as might have been anticipated from a continuance of the conditions of the previous year. The most prominent of these were (1) the cutting off of the foreign market, (2) the restriction of the fishing area (from more than one cause), and (3) the diversion of the best vessels and the most efficient fishermen to the defence of the country.

All these conditions continued throughout 1916 with but slight variations, so that, under the circumstances, the results may upon the whole be considered satisfactory.

The quantity of sea fish landed in Scotland during 1916 amounted to 3,412,030 cwts. of the value, including shell-fish, of £3,206,550. This shows an increase of 1,092,640 cwts. in quantity and of £1,097,085 in value. The increase in quantity is wholly, and the increase in value mainly, due to the more extensive area within which herring fishing was permitted.

This result was obtained through the agency of 4650 fishing vessels manned by crews numbering 14,392.

[TABLE.

M & G Ltd Wt 7-17 1000 & 90 G. 5

SUMMARY OF MEANS OF CAPTURE AND RESULTS.

Year.	Number of Vessels.	Value of Boats and Gear.	Total Catch.	
			Quantity.*	Value.
		£	Cwts.	£
1907	10,365	4,857,816	9,018,153	3,149,127
1908	10,078	5,223,149	8,645,252	2,512,162
1909	9,889	5,291,533	7,423,185	2,889,107
1910	9,724	5,439,857	8,709,655	3,100,387
1911	9,543	5,628,087	8,511,974	3,127,929
1912	9,290	5,777,102	8,587,106	3,656,178
1913	8,991	6,035,952	7,828,350	3,997,717
1914	8,869	6,297,745	7,440,321	3,208,536
1915	4,653	1,668,765	2,319,390	2,109,465
1916	4,650	1,827,346	3,412,030	3,206,550

* Excluding shell-fish, which are sold partly by number (*e.g.*, oysters) and partly by weight (*e.g.*, mussels), and have no common measure except value.

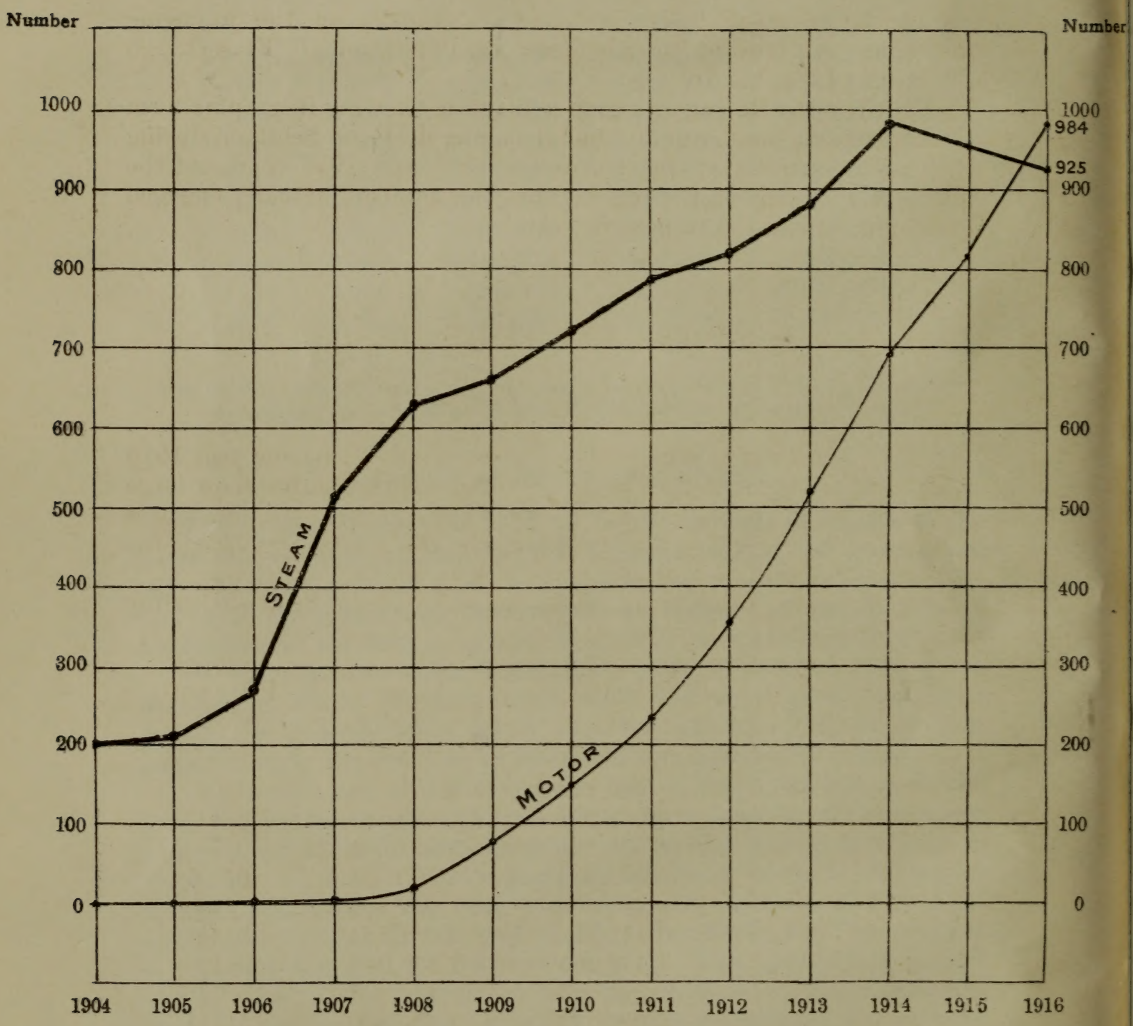
CHANGES IN MEANS OF CAPTURE.

The figures for the year 1916 as to the number and value of the boats, etc., engaged in the Scottish fisheries during the year, given above and in Appendix A, do not include the vessels engaged in the service of the country, or unemployed on account of the Admiralty restrictions of the fishing area or the lack of crews to man them.

In regard to the steam fishing fleet there is little to record. A number of steam trawlers were built, but they were very little engaged in fishing, being taken over for national work as soon as possible, while the building of steam drifters practically ceased.

The installation of motor engines into sailing boats has, however, been proceeding apace with undoubted advantage to all concerned. The number of boats actually employed at the fishing is shown in Appendix A, but if boats engaged otherwise than at fishing or unemployed during the year are taken into account, the Scottish motor fishing fleet at the end of 1916 numbered 984, an increase of 173 over the total for the previous year. The outstanding feature of the year in this connection was the increase in the number of boats of the largest size propelled by motor engines; the number added to this section of the fleet was nearly half the total increase. Substantial as is the increase reported, it would undoubtedly have been much greater but for the difficulties experienced by the makers in supplying and installing engines, a large number of orders given during the year being still unfulfilled.

CHART SHOWING THE INCREASE OF STEAM DRIFTERS AND LINERS AND MOTOR BOATS.



Wt.65487-25. 1000. 6/17. M'F. & E.

The following figures indicate the totals for the years 1916 and 1915:—

	Year 1916.	Year 1915.	Increase.
East Coast	594	434	160
Orkney and Shetland . .	45	42	3
West Coast	345	335	10
Totals . . .	984	811	173

The increase in 1916 occurred principally in the following districts:—Anstruther 15, Aberdeen 13, Peterhead 16, Fraserburgh 39, Banff 14, Buckie 16.

On the opposite page we give a diagram showing in graphic form the increase in the steam and motor fishing fleets of Scotland during the last twelve years: the figures for 1915 and 1916 represent the numbers of vessels on the register, not the numbers actually engaged in fishing, during the respective years.

DIFFERENT FISHERIES.

1. *HERRING FISHERY.*

The quantity of herrings landed in Scotland during the year 1916 was 2,086,177 cwts., valued at £1,350,609. These figures show large increases as compared with those for 1915, but are still much less especially as regards quantity than for the years preceding the outbreak of war.

The following table gives the total results of the Scottish herring fishery since 1907:—

Year.	Quantity. Cwts.	Value. £	Average Price per Cwt.
1907 . . .	6,253,341	1,795,650	5/9
1908 . . .	5,690,114	1,151,644	4/0½
1909 . . .	4,541,297	1,569,743	6/11
1910 . . .	5,687,226	1,594,308	5/7
1911 . . .	5,036,484	1,505,334	6/
1912 . . .	5,201,300	1,910,533	7/4½
1913 . . .	4,449,323	2,087,754	9/4½
1914 . . .	4,383,265	1,339,046	6/1¼
1915 . . .	703,096	441,980	12/6¾
1916 . . .	2,086,177	1,350,609	12/11½

The combination of high prices and fair or not infrequently heavy landings enabled fishermen, notwithstanding greatly increased working expenses, to secure record earnings.

In the early months of the year a very successful fishing was conducted from Stornoway, and during the period from 1st January to 31st March the catch landed at that port amounted to 253,144 cwts. as compared with only 37,511 cwts. in 1915. The fishing at the other principal stations on the West Coast was light during the

period, but the total quantity landed in the whole area was much in excess of that for the previous year.

In Shetland waters a small fleet operated with good results during March, and in the course of May a heavy fishing developed somewhat unexpectedly. Curers were unprepared to deal with the quantities landed, and on one occasion prices fell to 5s. per cran. In the earlier part of the season prices at Shetland generally ruled low, owing to the unsatisfactory outlook for the cured article, but prospects improved later, and prices rose steadily until the fishing closed in September.

The East Coast fishing lasted from June to September, and accounted for about one half of the total landings for the year. As the bulk of the catch in the early part of the season was freshed or kippered for the home markets, prices were not depressed as in Shetland owing to the lack of demand for cured herrings, and throughout the season they maintained a high level. Calms and fogs interfered with operations, especially in the case of sailing boats, but with the high prices ruling record earnings were made.

During the last quarter of the year the steam drifters and other large herring boats were more or less unemployed. Many proceeded to the West Coast, but operations were only spasmodic in various lochs, and the majority of the vessels barely cleared expenses.

The local motor fleets which fished in the Firth of Clyde had a good year, making heavier landings than in 1915 or 1914, while quality and prices were both generally good. Loch Fyne, however, remained practically deserted.

Scottish Boats in England and Ireland.

Scottish boats were not permitted to take part in the East Anglian autumn fishing of 1916, and their earnings doubtless suffered in consequence. A number, however, engaged at different periods of the year in other fishings from English and Irish ports.

Herring Curing.

Presumably as a result of the rising prices of other food stuffs, the demand for fresh herrings was much greater than usual during the year, but even with this increased demand only about one-fifth of the catch was disposed of fresh; a somewhat similar quantity was made into kippers or bloaters for the home markets, and a small proportion was tinned. Rather more than half was pickled, including quantities cured ungutted for conversion into "reds" or for export to France. Uncertainty as to the demand for pickled herrings discouraged curing early in the season, but good results were realised in the Russian market, and from the beginning of July onwards prices all round rose in sympathy.

Cured Herrings Exported.

Practically all the herrings cured in pickle were, as usual, exported. Owing to the favourable returns the bulk of the cure

was disposed of by the end of August, and the balance on hand at the close of the year was less than 10,000 barrels. The great proportion went to Russia, all by way of Archangel. An increased quantity, 24,411 barrels, mostly ungutted, was exported to France, while the United States of America took 46,281 barrels, practically the same as in 1915. Before the war large exports were made to Germany. The rate of export to Germany and Russia respectively since 1907 has been as follows :—

Year.	To Germany.*	To Russia.
	Barrels.	Barrels.
1907	1,186,100	627,100
1908	1,001,645	616,497
1909	786,682	574,307
1910	982,361	732,345
1911	794,219	655,814
1912	719,013	750,187
1913	672,701	619,680
1914	353,323	493,039
1915	—	51,143
1916	—	285,365

* From 40 to 50 per cent. of the total quantity of herrings exported to Germany was, in normal circumstances, sent over the frontier to Russia and other Eastern countries.

2. *WHITE FISH FISHING.*

The catch of fish other than herrings, mackerel, sprats, and sparling again shows a decrease as compared with the preceding year, mainly accounted for by reduced landings by trawlers. The corresponding value is, however, more than maintained, and compares well with the average for the years before the war. Prices were on an average from two to three times as great as in normal years.

The following are the totals of the white-fishing since 1907 :—

Year.	Quantity.	Value.
	Cwts.	£
1907	2,696,943	1,334,797
1908	2,917,295	1,351,108
1909	2,830,728	1,305,811
1910	2,968,598	1,491,339
1911	3,391,316	1,540,539
1912	3,331,799	1,666,380
1913	3,296,257	1,824,741
1914	2,949,008	1,778,973
1915	1,540,345	1,585,717
1916	1,258,390	1,772,561

Trawling has contributed to the foregoing result as follows :—

Year.	Quantity.	Value.
	Cwts.	£
1907	2,061,336	985,751
1908	2,092,411	971,972
1909	2,020,209	953,259
1910	2,102,031	1,102,976
1911	2,439,108	1,113,820
1912	2,392,692	1,232,193
1913	2,541,948	1,424,115
1914	2,191,387	1,333,834
1915	953,503	1,040,726
1916	735,862	1,117,056

The balance, as follows, has been taken by lines and by nets other than trawls :—

Year.	Quantity.	Value.
	Cwts.	£
1907	635,601	349,041
1908	824,684	379,079
1909	810,519	352,552
1910	866,567	388,363
1911	952,208	426,719
1912	939,107	434,187
1913	754,309	400,626
1914	757,621	445,139
1915	586,842	544,991
1916	522,528	655,505

Best results in trawling during the year were obtained by vessels visiting Iceland, Faroe, or the grounds to the north of Shetland. A number of the smaller trawlers were converted to liners for the summer months, and, working principally in the North Sea, and catching their own herring bait, did better than similar boats which continued trawling. The trawl fleet was further reduced, part of the reduction being due to sales to English ports, and the less efficient fleet at work during the year was considerably handicapped by stormy weather.

Attention was to some extent diverted from lining by the success of the herring fishing. Motor boats continue to take an increasing share in line fishing of all kinds, and a number of the larger motors shared in the remunerative great line fishing conducted in the North Sea during the summer. Notwithstanding occasional difficulty experienced in different localities in procuring bait, and loss of time owing to rough weather, as well as restrictions imposed in the Naval interests, the year appears to have been successful to all concerned. For this the high prices were of course largely responsible.

White Fish Curing.

To a much greater extent than in the preceding year, the white fish cured in Scotland consisted of imported fish, principally wet salted cod brought from Norway and cured in Aberdeen for export, and the cured fish produced from imports exceeded in quantity that produced from Scottish landings. Of the fish landed and cured in Scotland the greater part was haddocks smoked for the home markets.

Persons Employed.

The number of persons employed in the fisheries of Scotland and the various industries subsidiary thereto in the year 1916 was 37,009. Of these, 14,392 manned the fishing fleet, 5189 were gutters and packers of herrings, 3586 were engaged in the carrying trade, and the remainder were engaged in other operations connected with the fishing industry.

Whaling.

The whaling stations in Shetland and Harris were idle during the year, as operations in Scottish waters are still prohibited by the Naval Authorities.

Improvements of Fishery Harbours.

Work on improvement schemes for fishery harbours on the East Coast was further slowed down during the year as a result of the war, and completion of a number of the schemes has been postponed until normal conditions return. A report for the year by the Board's Consulting Engineer is printed as Appendix M, p. 87.

Appendices.

For the reasons explained in last Report the Appendices published are again much curtailed.

War Work of Board.

During the year under review the duties devolving on the Board in connection with the war, which were already heavy, materially increased. It is not possible to indicate these in detail, but general reference may be made to (1) the important alterations made in the Admiralty Orders regulating fishing operations; (2) the scheme under which the Board are consulted regarding the calling up for Naval service of fishermen enrolled in Section Y of the Royal Naval Volunteer Reserve in order to ensure that the requirements of the Admiralty are met with the least detriment to the fisheries; (3) the obtaining of priority certificates for supplying motor engines for fishing vessels; (4) difficulties in obtaining supplies of various materials required in connection with the industry; and (5) the prohibition of the export of fish.

Another important subject which has received, and continues to receive, the Board's most careful consideration is the reconstruction of the industry after the war.

All of this work has thrown a heavy burden on the Board's greatly reduced permanent staff, and on those temporarily engaged. We desire to put on record the loyal, efficient, and ungrudging way in which the work has been performed.

Members of Staff serving with the Forces.

In addition to the staff of the Board's cruisers and research vessel, numbering 107, all of whom are now in Admiralty service, 21 members of the clerical, outdoor and scientific staff have enlisted in the Army or Navy, out of a total male staff of 62, while one member of the clerical staff has been lent to the Munitions Department.

The Board regret to announce that two members of the staff fell in action during the year. Lance-Corpl. George W. Craig, Gordon Highlanders, formerly Assistant Fishery Officer at Wick, was reported missing in July 1916, and Private Ernest T. Downing, Scottish Rifles, a member of the Head Office Staff, was killed on 30th October 1916, both of whom were most promising and efficient officials.

PART II.

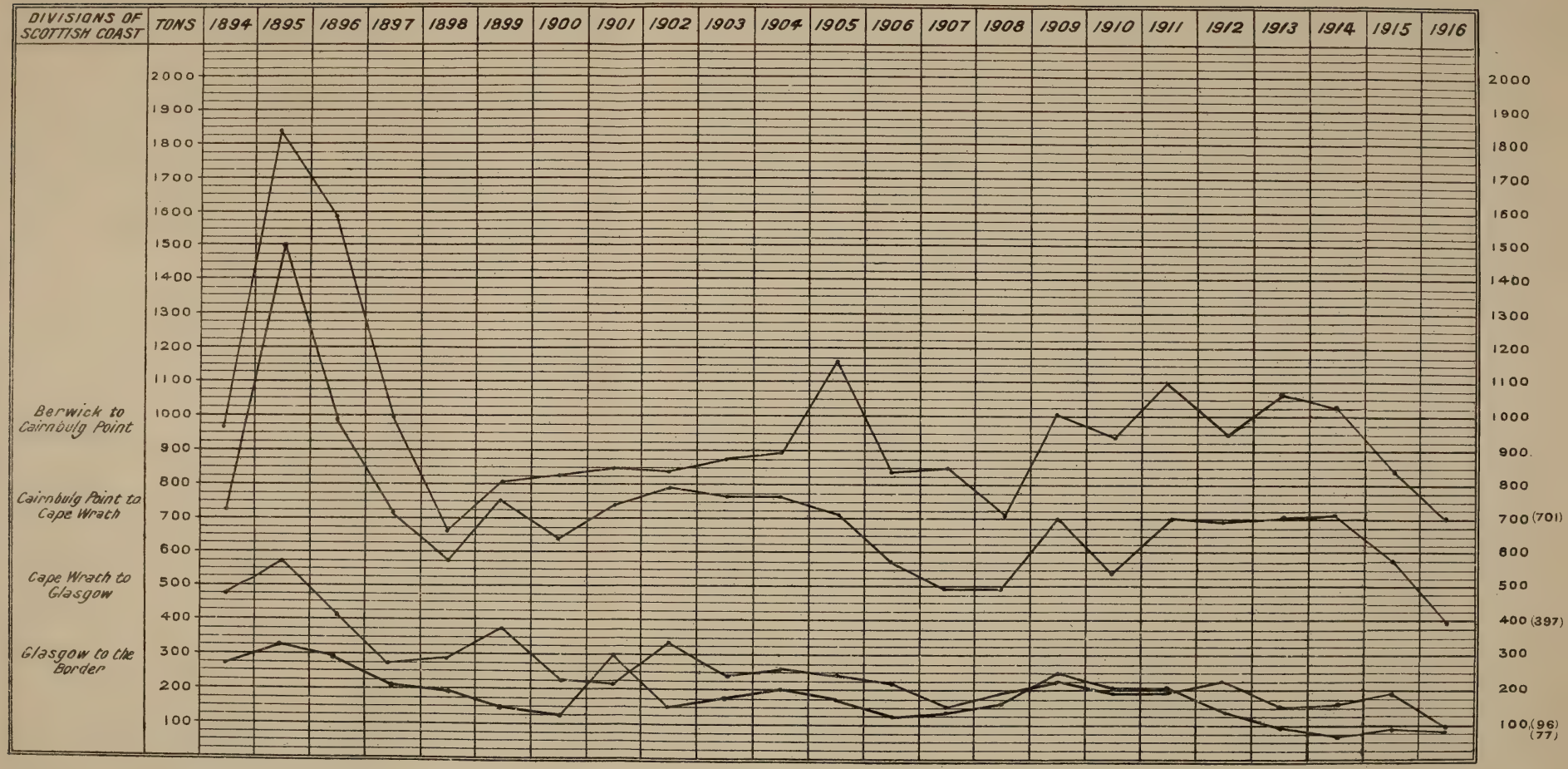
SALMON FISHERIES.

The total weight of salmon and sea trout carried by rail and steamship in Scotland during 1916 was 1273 tons. This is 435 tons less than in the previous year, and 783 tons less than the last quinquennial average. The figure is the lowest ever reached in the history of Scottish Salmon Fisheries. Both grilse and sea trout were very scarce, and, although spring salmon did fairly well in many localities, the summer and autumn stock fell away, so that all over the country a decline was experienced.

The whole coast line is divided as formerly into four districts, and the curves drawn since the year 1894, and shown on the opposite chart, sufficiently indicate the gradual nature of the decline.

[Table.

CURVES SHOWING APPROXIMATELY THE TONS OF SALMON CARRIED BY SCOTTISH RAILWAYS & STEAMSHIPS SINCE 1894



Wt.65487-25 1000 6/17 M.F.& E.

We also give a table which shows four quinquennial averages since the year 1894, and the three last individual years.

District.	Average, 1894 to 1898.				Average, 1899 to 1903.				Average, 1904 to 1908.				Average, 1909 to 1913.			
	Tons.	Cwts.	Qrs.	Lbs.	Tons.	Cwts.	Qrs.	Lbs.	Tons.	Cwts.	Qrs.	Lbs.	Tons.	Cwts.	Qrs.	Lbs.
a Berwick to Cairnbulg Point,	1,206	18	1	1	839	1	2	9	887	8	2	24	1,015	5	3	18
b Cairnbulg Point to Cape Wrath,	900	17	3	6	737	10	3	17	608	13	1	19	664	14	–	3
c Cape Wrath to Glasgow, . . .	403	7	1	21	274	18	1	27	209	3	3	6	205	2	–	7
d Glasgow to the Border, . . .	260	3	2	6	183	6	1	19	160	9	3	15	171	13	1	3
Totals, . . .	2,771	7	–	6	2,034	17	1	16	1,865	15	3	8	2,056	15	1	3

District.	Year 1914.				Year 1915.				Year 1916.			
	Tons.	Cwts.	Qrs.	Lbs.	Tons.	Cwts.	Qrs.	Lbs.	Tons.	Cwts.	Qrs.	Lbs.
a Berwick to Cairnbulg Point,	1,030	14	1	7	847	9	0	25	701	2	3	7
b Cairnbulg Point to Cape Wrath,	710	1	3	20	575	8	1	24	397	19	2	22
c Cape Wrath to Glasgow, . . .	161	6	3	8	198	17	3	10	96	3	3	25
d Glasgow to the Border, . . .	74	2	–	–	86	12	–	–	77	14	–	–
Totals, . . .	1,976	5	–	7	1,708	7	2	3	1,273	–	1	26

Very considerable difficulty has been experienced in obtaining the necessary men to work many of the bag net stations, and in certain localities fewer nets have been fished, but this does not seem to be sufficient to account for the decline referred to. A point of some importance appears to be the falling away of the grilse or fish which have spent only one year in the sea since leaving the rivers as smolts. We are unable to say what this grilse decrease amounts to since no separation between salmon and grilse is made by the railways, and also because returns giving weight alone do not sufficiently indicate a decline in the case of these light fish. The ratio between grilse and salmon, in the catch of modern times, is very different from the ratio shown in the old records which exist in certain districts. It has been pointed out by the Inspector that in the early part of last century the grilse taken at Berwick-upon-Tweed alone was not infrequently a hundred times greater than the present-day catch for the whole of Scotland, and that in a period of twenty years, when normal fluctuations would be included, the catch never fell below a figure thirty times as great as the present-day catch for the whole of Scotland.

It is to these young fish that we must look for the future stock to a very considerable extent. An individual poor year of grilse may be succeeded by a good year in small spring fish, thus showing that a larger proportion of grilse than usual merely remained in the off-shore feeding areas instead of coming in to the coast and entering our rivers; but even allowing for this, and admitting also that the salmon fisheries are better regulated than they ever were, the

modern conditions are such that in no year is it at all within the range of possibility that a year's catch will approach the usual catch of fifty or sixty years ago.

The Inspector of Salmon Fisheries regards the situation as serious, and deals with it more fully in his report (p. 90).

The research into the conditions of the salmon's life, which has been carried on recently through a grant from the Treasury on the recommendation of the Development Commissioners, has enabled us to gain a considerable amount of additional information of a practical kind with regard to the habits of the salmon in its varying migrations, its infrequent spawning, and long periods of sea life. Owing to the war conditions this research came to an end last year. Thirty returns from District Fishery Boards as to the local conditions of the fisheries have been received by the Inspector, as usual. These are not being published at the present time.

The following table gives the rentals, since the year 1900, of five important districts in Scotland:—

Year.	Tweed.	Tay.	N. Esk.	Dee.	Spey.
	£	£	£	£	£
1900 . .	..	22,548	6,510	18,989	..
1901 . .	..	22,558	6,466	19,418	8,608
1902 . .	..	22,663	6,494	19,455	8,146
1903 . .	15,338	22,648	6,494	18,393	8,147
1904 . .	15,439	23,099	6,494	19,078	7,396
1905 . .	15,499	22,675	6,489	19,332	8,364
1906 . .	15,499	22,838	6,485	19,068	8,740
1907 . .	15,732	23,202	6,490	18,940	8,990
1908 . .	16,093	23,508	6,474	18,893	9,243
1909 . .	16,092	23,715	6,614	18,335	9,396
1910 . .	16,130	23,861	7,620	17,883	9,139
1911 . .	16,130	23,873	7,617	18,005	9,129
1912 . .	16,050	23,586	7,597	17,990	10,304
1913 . .	15,930	23,584	7,597	18,153	11,228
1914 . .	15,936	24,399	7,745	18,784	11,508
1915 . .	16,104	24,105	7,830	18,953	11,226
1916 . .	16,124	23,622	7,637	18,641	9,844

Sealing of Salmon by the Fishmongers' Company.

The Fishmongers' Company of London have continued their practice of affixing seals to salmon which are to be put in cold store so that they may be sold in the close season. The following return, which has been furnished by the Company, shows the scale upon which this operation is now carried on.

The following are the particulars of salmon sealed for sale during the annual close season 1916–1917 :—

London	Scottish	161
„	Canadian	9,653
„	B. Columbian	2,376
„	Siberian	816
Liverpool	Canadian	10,101
„	B. Columbian	10,067
„	Siberian	1,034
Manchester	Canadian	21
Southampton	Scottish	19
Birmingham	Canadian	50
Aberdeen	Scottish	321
Dundee	Scottish	6
Glasgow	Scottish	24
„	Icelandic	42
„	B. Columbian	142
Ayr	Scottish	3
Edinburgh	Scottish	12
Newcastle-on-Tyne	Canadian	30
Leeds	Canadian	88
	Total	34,966

Sealed Cases for the Continent.

B. Columbian	55 cases.
Canadian	3 cases.
	58 cases.

Summary of Fish Sealed.

Scottish	546
Canadian	19,963
B. Columbian	12,565
Siberian	1,850
Icelandic	42
Total	34,966

PART III.

SCIENTIFIC INVESTIGATIONS.

During the year 1916, the scientific fishery investigations of the Board were carried on as far as possible on the same general lines as in previous years. The research work, with a somewhat reduced staff, has been done at the Marine Laboratory at the Bay of Nigg, and in the Laboratory at the Old Post Office, Aberdeen, and the inquiries relating to the herring fishery in Loch Fyne have also been carried on as circumstances allowed. The special statistics of the catches of line boats in the Moray Firth were collected monthly, as before, but, owing to the withdrawal of the research steamer "Goldseeker," the trawling stations were not examined.

The Hatching Operations.

Owing to the fact that the "Goldseeker" was engaged in other duties, the stock of adult plaice has not been renewed since 1913. The hatching operations were, therefore, considerably restricted. The fertilised eggs were first obtained from the spawning pond in the middle of March, and from then until the early part of May eggs were obtained at intervals. The total number collected was estimated to be under half a million, and the fry, when hatched, were liberated in the sea off Aberdeen.

Since the hatching of the plaice was begun at the Bay of Nigg, the eggs which have been dealt with are estimated to amount to nearly 439,000,000, and over 344,000,000 fry of the plaice have been put into the sea.

The electric pumps, which were fitted up for the supply of water, as described in the Report for last year, have proved most satisfactory.

The Investigations on the Herring Fishery in Lochfyne.

The investigations in connection with the Lochfyne Herring Fishery, which have been described in previous Reports, were continued in 1916 so far as means allowed. The statistics show that the yield from this once important fishing still continues at a low level. The quantity of herrings landed amounted to 2,576 cwts., as compared with 13,399 cwts. in 1915, and 3,214 cwts. in 1914.

The following shows the monthly catch, in cwts., last year:—

January	—	July	561
February	—	August	144
March	—	September	259
April	28	October	73
May	356	November	586
June	569	December	—

It may be stated that the herring fishing at Ballantrae Bank, which is commonly supposed to be one of the spawning grounds of the Lochfyne herrings, has been much more successful in the spring

of this year (1917) than for a considerable period, the season's total up to 19th March amounting to 8,493 crans, as against 491 crans in the corresponding period last year.

Fluctuations in the herring fishery, especially in fjords or arms of the sea, are not infrequent on the coasts of other countries, and have been attributed to a variety of causes. In Lochfyne a series of temperature observations are made at different levels, and collections of the floating food secured, and it is proposed to continue these investigations until the herrings return to the Loch in their former abundance, so that comparison may be instituted between the observations taken in the period of scarcity and those taken in the period of abundance.

Fishery Investigations in the North Sea.

Trawling and Other Investigations.

The reduced staff have been kept busily engaged in working at the collections of various kinds, which were obtained in previous years, and also in dealing with the records of the observations and the statistics obtained. Among these may be mentioned the marking experiments on the plaice, in connection with the study of the migration and growth of that fish. A Report on this subject dealing with the marking experiments in the years 1910-1913 is nearing completion.

Other work on which the scientific staff have been engaged, and in regard to which Reports have either been completed, or are in course of preparation, includes the following:—The influence of herring-trawling on the fish supply; the life of the herring in captivity; the determination of the age and growth of the herring and of the lemon sole from a study of the markings on the scales; the diseases of fishes; the life-history of the angler (*Lophius piscatorius*); and the distribution of the pelagic eggs, and of the larval and post-larval stages of the food fishes.

Hydrographical Investigations.

The whole routine of our hydrographical work (including sea-temperature observations and the collection of water-samples by passenger captains) is of necessity suspended, with the exception of a few observations which continue to be made at lighthouses and certain other coastal stations. But, on the other hand, considerable progress has been made in the tabulation and study of observations recorded in previous years.

For example, the whole available stock of temperature-observations has been collated, and the results printed in a paper by Professor D'Arcy W. Thompson, "On the Surface Temperature of the North Sea, and of the North Atlantic." In this paper are set forth charts (for the twelve months) of the mean monthly sea-temperatures around the British Isles, as well as charts of the mean annual sea-temperature, the mean annual range of temperature, the mean maxima and minima, and other related phenomena. Some further

investigations are also in progress in connection with the subject of Mean Sea Level, concerning which a paper by Professor D'Arcy Thompson was published in 1915.

We have the honour to be,

SIR,

Your most obedient Servants,

ANGUS SUTHERLAND, *Chairman.*
W. LYON MACKENZIE, *Deputy-Chairman.*
D'ARCY W. THOMPSON.
BREADALBANE.
JAMES ARCHIBALD.
MALCOLM SMITH.

DAVID T. JONES, *Paymaster, R.N.R.,*
Secretary.

APPENDICES.

PART I.

APPENDIX A.

MEANS OF CAPTURE.

PAGE

I.—Return, for the year 1916, showing the Number and Value of the Boats and Vessels engaged in the Scottish Fishing Industry; the Number of Persons employed thereon; and the Value of Fishing Gear 4

II.—Return showing Particulars regarding the State of the Fisheries at each Fishing Creek or Station on the Scottish Coasts . . . *Suspended owing to war*

III.—Return showing the largest Number of Boats, Decked and Undecked, *irrespective* of the places to which they belong, employed in fishing for Herrings, as well as the Number of Persons engaged in that Industry, in each District in Scotland at *one* time . *Suspended owing to war*

APPENDIX B.

TOTAL QUANTITY OF FISH LANDED.

I.—Statement of the Total Quantity and Value of Herrings landed in Scotland by Steam, Motor, and Sailing Boats respectively in the year 1916 9

II.—Returns respecting Vessels arriving and Fish landed in the various Districts during the year 1916 12

APPENDIX C.

FISH USED IN A FRESH STATE.

Statement showing the Estimated Quantity of Fish consumed Fresh in Scotland, or dispatched from Scotland in a Fresh State, in the year 1916 74

APPENDIX D.

FISH CURED.

I.—Return showing the Quantities of Fish Cured, and the Modes of Cure, in the year 1916 75

II.—Statement showing the Number of Barrels of Herrings Cured, Gutted and Ungutted, on the East and West Coasts of Scotland, for the Hundred and six years ended 31st December 1916 . . 77

APPENDIX E.

CURED FISH BRANDED, AND EXPORTED, AND VALUE OF SAME.

I.—Return showing the Number of Barrels of Cured Herrings Branded, distinguishing the different Brands, and the Amount of Brand Fees collected . . . . . *Suspended owing to war*

PAGE

II.—Return showing the Total Quantity of Fish Exported to England, Ireland, to the Continent, and to Places out of Europe, during the year 1916 81

III.—(1) Statement showing the Ports and Places to which the Herrings Exported to the Continent were Shipped . . *Suspended owing to war*
(2) Return showing, by Districts, the Direct Exports of Cured Herrings to Germany and Russia . . . *Suspended owing to war*

IV.—Return showing the Estimated Value of Cured Herrings, Branded and Unbranded, as well as of Cod, etc., Cured . *Suspended owing to war*

V.—Return showing, under each of the Crown Brands, the Number of Barrels of Cured Herrings presented to the Officers of the various Fishery Districts for Inspection with a view to Branding if in accordance with the Board's Regulations, the Number and Percentage in respect of which the Brand was Refused, and the Principal Grounds of Refusal . . . . *Suspended owing to war*

APPENDIX F.

I.—Persons Employed.—Return showing the Total Number of Persons employed in connection with the various branches of the Sea Fishing industry during the year 1916 82

II.—Transport Trade.—Return showing the Tonnage of Shipping and the Number of Seamen engaged in transporting Fish and Curing Material . . . . . *Suspended owing to war*

III.—Casualties.—Return of the Casualties sustained in connection with the Sea Fisheries of Scotland . . . *Suspended owing to war*

APPENDIX G.

I. Boatbuilding.—Return showing the Number and Value of Fishing Vessels constructed within the boundaries of each District in Scotland . . . . . *Suspended owing to war*

II. Barrel-Making.—Return of the Numbers of Barrels and Half-Barrels constructed and of the Number of Quarter-Cran Baskets branded in Scotland . . . . . *Suspended owing to war*

APPENDIX H.

Registration of Fishing Boats.

Return of Fishing Boat Proceedings under the Sea Fisheries Acts of 1868 and 1883, and Sea Fisheries (Scotland) Amendment Act of 1885 . . . . . *Suspended owing to war*

APPENDIX I.

Piers and Harbours.

I.—Account of Receipts and Payments by the Board for Building, Extending, and Repairing Piers or Harbours in Scotland, in the year 1916 84

II.—Return of Piers and Harbours erected or improved by the Board from 1st January 1883 to 31st December 1916 85

III.—Statement showing particulars of the Brand Fee Revenue, Cost of Collection, Surplus and Expenditure during the period from 1881 to 1915-16 86

APPENDIX K.

PAGE

I.—Damage to Boats or Gear: Return of Complaints of Damage to Fishing Vessels or their Gear by other Fishing Vessels made to, and Investigated by, Officers of the Fishery Board . *Suspended owing to war*

II.—Illegal Trawling: Return of Prosecutions undertaken against Masters of British and Foreign Trawl Vessels . *Suspended owing to war*

III.—Offences other than Illegal Trawling. Return of Prosecutions undertaken . . . . . *Suspended owing to war*

IV.—Illegal Trawling: Summary of Prosecutions from 1886 . . *Suspended owing to war*

APPENDIX L.

Reports from the Inspectors and District Fishery Officers . *Suspended owing to war*

APPENDIX M.

Harbour Improvement Schemes 87

PART II.

APPENDIX N.

Salmon Inspector's Report 90

APPENDIX O.

Reports from District Fishery Boards, etc. . . . *Suspended owing to war*

APPENDIX P.

Rateable Value of Salmon Fisheries . . . . *Suspended owing to war*

APPENDIX Q.

Annual Close Times 98

APPENDIX R.

Chairmen and Clerks of District Boards 101

APPENDIX A.—No. I.

MEANS OF CAPTURE.—Particulars relating to the Vessels, Gear, and Men actually employed in the Scottish Fishing Industry in the Year 1916.

I. SAILING VESSELS.

No.	District.	Number of Vessels.					Value of Vessels	Value of Fishing Gear.	Total Value.	No. of Fishermen and Boys.
		1st Class.		2nd Class.	3rd Class.	Total.				
		45 feet keel and upwards.	30 to 45 feet keel.	18 to 30 feet keel.	Under 18 feet keel.					
	EAST COAST.						£	£	£	
1	Eyemouth	2	3	34	6	45	1,517	2,215	3,732	54
2	Leith	24	27	105	64	220	8,975	10,750	19,725	577
3	Anstruther	26	16	89	36	167	8,763	14,740	23,503	321
4	Montrose	1	6	22	35	64	703	498	1,201	101
5	Stonehaven	...	6	15	15	36	986	2,071	3,057	108
6	Aberdeen	...	...	27	7	34	536	1,951	2,487	80
7	Peterhead	15	...	32	93	140	7,105	9,072	16,177	209
8	Fraserburgh	58	5	12	260	335	19,720	22,680	42,400	523
9	Banff	24	...	26	42	92	8,400	8,462	16,862	328
10	Buckie	66	4	56	20	146	24,052	14,004	38,056	587
11	Findhorn	16	1	62	30	109	7,200	7,720	14,920	291
12	Cromarty	3	...	33	27	63	1,845	2,115	3,960	230
13	Helmsdale	...	2	30	30	62	712	960	1,672	130
14	Lybster	...	5	2	21	28	420	840	1,260	90
15	Wick	3	...	4	166	173	1,676	1,570	3,246	220
	East Coast Totals.	238	75	549	852	1,714	92,610	99,648	192,258	3,849
	Orkney and Shetland.									
16	Orkney	1	...	6	426	433	2,480	2,563	5,043	877
17	Shetland	64	2	24	155	245	14,455	14,647	29,102	945
	Orkney and Shetland Totals	65	2	30	581	678	16,935	17,210	34,145	1,822
	WEST COAST.									
18	Stornoway	48	28	14	20	110	13,840	5,313	19,153	581
19	Barra	2	19	40	44	105	2,330	4,170	6,500	383
20	Loch Broom	...	1	49	167	217	3,866	3,335	7,201	253
21	Loch Carron & Skye	...	4	74	108	186	2,420	5,260	7,680	412
22	Fort-William	...	...	30	90	120	1,170	1,580	2,750	182
23	Campbeltown	...	...	65	27	92	915	482	1,397	123
24	Inveraray	...	...	20	32	52	660	734	1,394	114
25	Rothesay	...	...	13	37	50	336	540	876	47
26	Greenock	...	...	17	36	53	436	405	841	65
27	Ballantrae	...	...	42	39	81	729	891	1,620	153
	West Coast Totals.	50	52	364	600	1,066	26,702	22,710	49,412	2,313
	Grand Totals for 1916	353	129	943	2,033	3,458	136247	139568	275,815	7,984
	Grand Totals for 1915	163	143	1,028	2,237	3,571	90,909	89,210	180,119	9,064
	Increase in 1916	190	...	...	...	...	45,338	50,358	95,696	...
	Decrease in 1916	...	14	85	204	113	...	...	...	1,080

APPENDIX A.—No. I.—*continued.*

MEANS OF CAPTURE.—Particulars relating to the Vessels, Gear, and Men actually employed in the Scottish Fishing Industry in the Year 1916.

II. MOTOR VESSELS.

No.	District.	Number of Vessels.					Value of Vessels.	Value of Fishing Gear.	Total Value.	No. of Fishermen and Boys.
		1st Class.		2nd Class.	3rd Class.	Total.				
		45 feet keel and upwards.	30 to 45 feet keel.	18 to 30 feet keel.	Under 18 feet keel.					
	EAST COAST.						£	£	£	
1	Eyemouth	38	19	2	...	59	31,710	13,904	45,614	212
2	Leith	9	19	19	...	47	15,190	4,040	19,230	217
3	Anstruther	39	13	27	1	80	50,625	28,547	79,172	395
4	Montrose	11	54	30	1	96	28,995	13,741	42,736	401
5	Stonehaven	...	11	3	1	15	3,740	780	4,520	55
6	Aberdeen	...	9	17	3	29	6,700	1,218	7,918	112
7	Peterhead	12	...	2	1	15	13,900	4,330	18,230	95
8	Fraserburgh	56	19	2	...	77	50,920	24,501	75,421	330
9	Banff	5	5	39	...	49	11,590	6,485	18,075	186
10	Buckie	25	...	...	...	25	25,500	9,300	34,800	163
11	Findhorn	3	1	9	...	13	3,860	1,700	5,560	70
12	Cromarty	...	...	...	...	...	...	...	...	...
13	Helmsdale	1	...	6	2	9	1,780	470	2,250	40
14	Lybster	...	...	...	1	1	75	20	95	4
15	Wick	4	2	16	12	34	6,580	1,460	8,040	97
	East Coast Totals	203	152	172	22	549	251,165	110496	361,661	2,377
	Orkney and Shetland.									
16	Orkney	...	...	2	15	17	870	295	1,165	43
17	Shetland	2	6	12	1	21	8,885	2,889	11,774	90
	Orkney and Shetland Totals	2	6	14	16	38	9,755	3,184	12,939	133
	WEST COAST.									
18	Stornoway	4	...	2	...	6	2,630	670	3,300	42
19	Barra	...	6	...	...	6	2,040	825	2,865	37
20	Loch Broom	...	2	12	...	14	2,395	1,207	3,602	56
21	Loch Carron & Skye	...	7	46	...	53	9,020	3,850	12 870	212
22	Fort-William	...	3	9	2	14	2,490	1,040	3,530	42
23	Campbeltown	...	2	50	1	53	6,705	2,026	8,731	237
24	Inveraray	...	...	46	1	47	5,620	1,405	7,025	184
25	Rothesay	...	2	12	1	15	1,745	567	2,312	49
26	Greenock	...	...	15	...	15	1,520	580	2,100	51
27	Ballantrae	...	...	48	1	49	5,400	2,890	8,290	161
	West Coast Totals	4	22	240	6	272	39,565	15,060	54,625	1,071
	Grand Totals for 1916	209	180	426	44	859	300,485	128740	429,225	3,581
	Grand Totals for 1915	90	142	391	32	655	163,010	56,390	219,400	2,692
	Increase in 1916	119	38	35	12	204	137,475	72,350	209,825	889
	Decrease in 1916	...	...	...	...	...	...	...	..	...

APPENDIX A.

MEANS OF CAPTURE.—Particulars relating to the Vessels, Gear, and

III. STEAM

No.	District.	Steam Liners and Steam Drifters.					Steam
		No. of Vessels.	Value of Vessels.	Value of Fishing Gear.	Total Value.	No. of Fishermen and Boys.	No. of Vessels.
	EAST COAST.		£	£	£		
1	Eyemouth	2	3,100	1,078	4,178	18	...
2	Leith	...	...	...	...	...	26
3	Anstruther	5	8,350	2,435	10,785	45	...
4	Montrose	...	...	...	...	...	7
5	Stonehaven	...	...	...	...	...	...
6	Aberdeen	18	36,000	9,000	45,000	162	98
		*18	81,000	4,062	85,062	163	
7	Peterhead	32	44,800	13,895	58,695	288	...
8	Fraserburgh	11	18,000	4,700	22,700	85	...
		†4	7,700	1,700	9,400	36	
9	Banff	6	11,000	5,283	16,283	88	1
10	Buckie	47	117,500	17,484	134,984	282	...
		†4	10,000	1,488	11,488	24	
11	Findhorn	6	12,600	2,520	15,120	54	...
12	Cromarty	...	...	...	...	...	...
13	Helmsdale	5	7,000	...	7,000	...	...
14	Lybster	...	...	...	...	...	...
15	Wick	4	6,000	600	6,600	18	...
	East Coast Totals	162	363,050	64,245	427,295	1,263	132
	Orkney and Shetland.						
16	Orkney	...	...	...	...	...	...
17	Shetland	3	5,100	930	6,030	27	...
		†18	41,400	5,868	47,268	180	
	Orkney and Shetland Totals	21	46,500	6,798	53,298	207	...
	WEST COAST.						
18	Stornoway	13	13,000	3,293	16,293	117	...
19	Barra	...	...	...	...	...	...
20	Loch Broom	...	...	...	...	...	...
21	Loch Carron and Skye	...	...	...	...	...	...
22	Fort-William	...	...	...	...	...	...
23	Campbeltown	...	...	...	...	...	...
24	Inveraray	...	...	...	...	...	...
25	Rothesay	...	...	...	...	...	...
26	Greenock	...	...	...	...	...	5
27	Ballantrae	...	...	...	...	...	...
	West Coast Totals	13	13,000	3,293	16,293	117	5
	Grand Totals for 1916	196	422,550	74,336	496,886	1,587	137
	Grand Totals for 1915	246	501,630	83,266	584,896	1,838	181
	Increase in 1916	...	...	...	...	...	...
	Decrease in 1916	50	79,080	8,930	88,010	251	44

* These represent the only steam liners distinct from drifters operating during 1916

† These 26 vessels represent the only steam drifters other than Scottish working from Scottish ports during 1916.

—No. I.—*continued.*

Men actually employed in the Scottish Fishing Industry in the Year 1916.

VESSELS.

Trawlers.				Total Steam Fishing Vessels.					No.
Value of Vessels.	Value of Fishing Gear.	Total Value.	No. of Fishermen and Boys.	No. of Vessels.	Value of Vessels.	Value of Fishing Gear.	Total Value.	No. of Fishermen and Boys.	
£	£	£			£	£	£		
...	...	...	...	2	3,100	1,078	4,178	18	1
80,000	4,500	84,500	234	26	80,000	4,500	84,500	234	2
...	...	...	...	5	8,350	2,435	10,785	45	3
23,800	1,540	25,340	61	7	23,800	1,540	25,340	61	4
...	...	..	...	...	...	...	...	...	5
460,600	16,660	477,260	890	134	577,600	29,722	607,322	1,215	6
...	...	...	...	32	44,800	13,895	58,695	288	7
...	...	...	...	15	25,700	6,400	32,100	121	8
2,500	170	2,670	10	7	13,500	5,453	18,953	98	9
...	...	...	...	51	127,500	18,972	146,472	306	10
...	...	...	...	6	12,600	2,520	15,120	54	11
...	...	...	...	...	...	...	...	...	12
...	...	...	...	5	7,000	...	7,000	...	13
...	...	...	...	...	...	...	...	...	14
...	...	...	...	4	6,000	600	6,600	18	15
566,900	22,870	589,770	1,195	294	929,950	87,115	1,017,065	2,458	
...	...	...	...	...	...	...	...	...	16
...	...	...	...	21	46,500	6,798	53,298	207	17
...	...	...	...	21	46,500	6,798	53,298	207	
...	...	...	...	13	13,000	3,293	16,293	117	18
..	...	...	...	...	...	...	...	...	19
...	...	...	...	...	...	...	...	...	20
..	...	...	...	...	...	...	...	...	21
...	...	...	...	...	...	...	...	...	22
...	...	...	...	...	...	...	...	...	23
...	...	...	...	...	...	...	...	...	24
...	...	...	...	...	...	...	...	...	25
35,000	650	35,650	45	5	35,000	650	35,650	45	26
...	...	...	...	...	...	...	...	...	27
35,000	650	35,650	45	18	48,000	3,943	51,943	162	
601,900	23,520	625,420	1,240	333	1,024,450	97,856	1,122,306	2,827	
657,700	26,650	684,350	1,650	427	1,159,330	109,916	1,269,246	3,488	
...	...	...	...	...	...	...	...	...	
55,800	3,130	58,930	410	94	134,880	12,060	146,940	661	

APPENDIX A.—No. I.—*continued.*

MEANS OF CAPTURE.—Particulars relating to the Vessels, Gear, and Men actually employed in the Scottish Fishing Industry in the Year 1916.

IV. ALL VESSELS.

No.	District.	No. of Vessels.	Value of Vessels.	Value of Fishing Gear.	Total Value.	No. of Fishermen and Boys.
	EAST COAST.		£	£	£	
1	Eyemouth	106	36,327	17,197	53,524	284
2	Leith	293	104,165	19,290	123,455	1,028
3	Anstruther	252	67,738	45,722	113,460	761
4	Montrose	167	53,498	15,779	69,277	563
5	Stonehaven	51	4,726	2,851	7,577	163
6	Aberdeen	197	584,836	32,891	617,727	1,407
7	Peterhead	187	65,805	27,297	93,102	592
8	Fraserburgh	427	96,340	53,581	149,921	974
9	Banff	148	33,490	20,400	53,890	612
10	Buckie	222	177,052	42,276	219,328	1,056
11	Findhorn	128	23,660	11,940	35,600	415
12	Cromarty	63	1,845	2,115	3,960	230
13	Helmsdale	76	9,492	1,430	10,922	170
14	Lybster	29	495	860	1,355	94
15	Wick	211	14,256	3,630	17,886	335
	East Coast Totals	2,557	1,273,725	297,259	1,570,984	8,684
	Orkney and Shetland.					
16	Orkney	450	3,350	2,858	6,208	920
17	Shetland	287	69,840	24,334	94,174	1,242
	Orkney and Shetland Totals	737	73,190	27,192	100,382	2,162
	WEST COAST.					
18	Stornoway	129	29,470	9,276	38,746	740
19	Barra	111	4,370	4,995	9,365	420
20	Loch Broom	231	6,261	4,542	10,803	309
21	Loch Carron and Skye	239	11,440	9,110	20,550	624
22	Fort-William	134	3,660	2,620	6,280	224
23	Campbeltown	145	7,620	2,508	10,128	360
24	Inveraray	99	6,280	2,139	8,419	298
25	Rothesay	65	2,081	1,107	3,188	96
26	Greenock	73	36,956	1,635	38,591	161
27	Ballantrae	130	6,129	3,781	9,910	314
	West Coast Totals	1,356	114,267	41,713	155,980	3,546
	Grand Totals for 1916	4,650	1 461,182	366,164	1,827,346	14,392
	Grand Totals for 1915	4,653	1,413,249	255,516	1,668,765	15,244
	Increase in 1916	...	47,933	110,648	158,581	...
	Decrease in 1916	3	...	...	...	852

APPENDIX B.—No. I.

FISH LANDED.—STATEMENT of the Total Quantity and Value of **Herrings** landed by Steam, Motor, and Sailing Boats respectively in **Scotland** during the various Seasons of the Year 1916.

No.	DISTRICTS.	Winter. (1st Jan. to 31st Mar.)								Early Summer. (1st April to 30th June).	
		Steam.		Motor.		Sail.		TOTAL.		Steam.	
		Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.
	EAST COAST.		£		£		£		£		£
1	Eyemouth	..	..	..	..	..	..	..	..	584	335
2	Leith	..	..	1,325	2,171	6,866	8,236	8,191	10,407	..	..
3	Anstruther	..	..	3,765	5,463	4,151	5,998	7,916	11,461	..	..
4	Montrose	..	..	..	..	..	..	..	..	..	..
5	Stonehaven	..	..	..	..	..	..	..	..	..	..
6	Aberdeen	790	728	..	..	..	..	790	728	3,752	2,483
7	Peterhead	..	..	..	..	..	..	..	..	21,259	11,687
8	Fraserburgh	..	..	..	..	..	..	..	..	..	..
9	Banff	..	..	..	..	..	..	..	..	..	..
10	Buckie	..	..	..	..	..	..	..	..	..	..
11	Findhorn	..	..	..	..	..	..	..	..	..	..
12	Cromarty	..	..	..	..	..	..	..	..	..	..
13	Helmsdale	..	..	..	..	..	..	..	..	..	..
14	Lybster	..	..	..	..	..	..	..	..	..	..
15	Wick	..	..	..	..	243	146	243	146	..	..
	East Coast Totals carried down	790	728	5,090	7,634	11,260	14,380	17,140	22,742	25,595	14,555
	ORKNEY AND SHETLAND.										
16	Orkney	..	..	..	..	..	..	..	..	..	..
17	Shetland	16,400	11,564	..	..	..	..	16,400	11,564	73,293	25,672
	Orkney and Shetland Totals cd. down	16,400	11,564	..	..	..	..	16,400	11,564	73,293	25,672
	WEST COAST.										
18	Stornoway	225,340	146,945	23,170	14,011	4,634	2,260	253,144	163,216	9,629	5,821
19	Barra	..	..	175	75	1,120	490	1,295	565	..	..
20	Loch Broom	..	..	3,143	1,168	4,306	1,694	7,449	2,862	..	..
21	Loch Carron&Skye	2,489	2,204	9,777	7,558	4,660	2,292	16,926	12,054	619	232
22	Fort-William	23,286	23,315	11,827	12,396	279	328	35,392	36,039	26,810	24,029
23	Campbeltown	..	..	11,097	6,711	218	152	11,315	6,863	..	..
24	Inveraray	..	..	..	..	..	..	..	..	..	..
25	Rothesay	..	..	25,190	14,843	1,691	844	26,881	15,687	..	..
26	Greenock	..	..	5,824	3,261	403	253	6,227	3,514	..	..
27	Ballantrae	..	..	1,533	1,875	210	381	1,743	2,256	..	..
	West Coast Totals carried down	251,115	172,464	91,736	61,898	17,521	8,694	360,372	243,056	37,058	30,082
	TOTALS brought down.										
	East Coast	790	728	5,090	7,634	11,260	14,380	17,140	22,742	25,595	14,555
	Orkney & Shetland	16,400	11,564	..	..	..	..	16,400	11 564	73,293	25,672
	West Coast	251,115	172,464	91,736	61,898	17,521	8,694	360,372	243,056	37,058	30,082
	Grand Tls. for 1916	268,305	184,756	96,826	69,532	28,781	23,074	393,912	277,362	136,946	70,309
	Grand Tls. for 1915	145,725	55,851	32,483	17,587	25,408	8,197	203,616	81,635	61,025	49,493
	Increase in 1916	122,580	128,905	64,343	51,945	3,373	14,877	190,296	195,727	74,921	20,816
	Decrease in 1916	..	..	..	..	..	..	..	..	..	..

APPENDIX B.—

FISH LANDED.—STATEMENT of the Total Quantity and Value in **Scotland** during the

No.	DISTRICTS.	Early Summer—*continued.* (1st April to 30th June).						Great Summer and Autumn. (1st July to 31st Dec.)			
		Motor.		Sail.		TOTAL.		Steam.		Motor.	
		Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.
	EAST COAST.		£		£		£		£		£
1	Eyemouth	15,072	9,038	7	2	15,663	9,425	1,918	1,690	25,568	20,930
2	Leith	..	..	851	1,231	851	1,231	236	257	..	..
3	Anstruther	1,041	1,399	938	1,631	1,979	3,030	94	16	93	22
4	Montrose	42	32	238	74	280	106	1	2	548	291
5	Stonehaven	..	..	..	..	..	..	..	..	42	28
6	Aberdeen	2,644	1,211	396	231	6,792	3,925	9,144	5,191	4,183	2,198
7	Peterhead	6,617	3,602	12,983	5,891	40,859	21,180	106,195	75,638	38,042	26,281
8	Fraserburgh	..	..	..	..	..	..	135,344	85,502	125,118	79,196
9	Banff	226	185	..	..	226	185	315	219	683	412
10	Buckie	..	..	..	..	..	..	..	..	..	..
11	Findhorn	..	..	..	..	..	..	106	49	..	..
12	Cromarty	..	..	..	..	..	..	..	..	..	..
13	Helmsdale	..	..	..	..	..	..	..	..	305	230
14	Lybster	..	..	..	..	..	..	..	..	98	49
15	Wick	147	84	154	74	301	158	..	..	1,133	948
	East Coast Totals carried down	25,789	15,551	15,567	9,134	66,951	39,240	253,353	168,564	195,813	130,585
	ORKNEY AND SHETLAND.										
16	Orkney	..	..	..	..	..	..	..	..	..	..
17	Shetland	10,811	3,484	65,995	23,346	150,099	52,502	76,440	43,681	22,228	11,929
	Orkney and Shetland Totals cd. down	10,811	3,484	65,995	23,346	150,099	52,502	76,440	43,681	22,228	11,929
	WEST COAST.										
18	Stornoway	2,967	1,349	29,820	11,110	42,416	18,280	35,448	29,562	11,369	7,898
19	Barra	1,956	1,144	8,082	4,533	10,038	5,677	..	..	769	433
20	Loch Broom	18	6	87	40	105	46	3,430	2,975	18,065	13,509
21	Loch Carron&Skye	1,973	1,776	827	503	3,419	2,516	13,089	16,991	25,698	22,980
22	Fort-William	30,486	25,568	7,220	4,608	64,516	54,205	20,654	24,101	27,076	28,597
23	Campbeltown	16,447	10,796	81	61	16,528	10,857	..	..	35,176	28,736
24	Inveraray	899	558	54	27	953	585	..	..	1,140	897
25	Rothesay	2,569	1,747	446	274	3,015	2,021	..	..	9,737	9,254
26	Greenock	984	700	301	145	1,285	845	..	..	32,081	33,623
27	Ballantrae	2,015	1,581	145	128	2,160	1,709	..	..	32,294	35,363
	West Coast Totals carried down	60,314	45,225	47,063	21,434	144,435	96,741	72,621	73,629	193,405	181,290
	TOTALS brought down.										
	East Coast	25,789	15,551	15,567	9,134	66,951	39,240	253,353	168,564	195,813	130,585
	Orkney & Shetland	10,811	3,484	65,995	23,346	150,099	52,502	76,440	43,681	22,228	11,929
	West Coast	60,314	45,225	47,063	21,434	144,435	96,741	72,621	73,629	193,405	181,290
	Grand Tls. for 1916	96,914	64,260	128,625	53,914	361,485	188,483	402,414	285,874	411,446	323,804
	Grand Tls. for 1915	25,692	19,934	10,388	7,579	97,105	77,006	123,056	104,665	161,324	100,602
	Increase in 1916	71,222	44,326	118,237	46,335	264,380	111,477	279,358	181,209	250,122	223,202
	Decrease in 1916	..	..	..	..	..	..	..	..	..	..

No. I.—*continued.*

of **Herrings** landed by Steam, Motor, and Sailing Boats respectively various Seasons of the Year 1916.

Great Summer and Autumn—*contd.* (1st July to 31st Dec.)				TOTALS.						GRAND TOTAL.		No.
Sail.		Total.		Steam.		Motor.		Sail.				
Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	Cwts. Landed.	Value.	
	£		£		£		£		£		£	
297	137	27,783	22,757	2,502	2,075	40,640	29,968	304	139	43,446	32,182	1
1,015	716	1,251	973	236	257	1,325	2,171	8,732	10,183	10,293	12,611	2
76	39	263	77	94	16	4,899	6,884	5,165	7,668	10,158	14,568	3
500	272	1,049	565	1	2	590	323	738	346	1,329	671	4
9	6	51	34	..	..	42	28	9	6	51	34	5
4,848	1,960	18,175	9,349	13,686	8,402	6,827	3,409	5,244	2 191	25,757	14,002	6
84,661	45,402	228,898	147,321	127,454	87,325	44,659	29,883	97,644	51,293	269,757	168,501	7
118,386	67,479	378,848	232,177	135,344	85,502	125,118	79,196	118,386	67,479	378,848	232,177	8
642	406	1,640	1,037	315	219	909	597	642	406	1,866	1,222	9
104	81	104	81	..	..	..	..	104	81	104	81	10
2,744	3,020	2,850	3,069	106	49	..	..	2,744	3,020	2,850	3,069	11
..	..	..	..	..	..	..	..	..	..	..	..	12
188	107	493	337	..	..	305	230	188	107	493	337	13
1,531	1,093	1,629	1,142	..	..	98	49	1,531	1,093	1,629	1,142	14
366	195	1,499	1,143	..	..	1,280	1,032	763	415	2,043	1,447	15
215,367	120,913	664,533	420,062	279,738	183,847	226,692	153,770	242,194	144,427	748,624	4 2,044	
8	8	8	8	..	..	..	..	8	8	8	8	16
205,523	97,525	304,191	153,135	166,133	80,917	33,039	15,413	271,518	120,871	470,690	217,201	17
205,531	97,533	304,199	153,143	166,133	80,917	33,039	15,413	271,526	120,879	470,698	217,209	
48,809	25,193	95,626	62,653	270,417	182,328	37,506	23,258	83,263	38,563	391,186	2 4,149	18
4,095	2,304	4,864	2,737	..	..	2,900	1,652	13,297	7,327	16,197	8,979	19
19,909	13,317	41,404	29,801	3,430	2,975	21,226	14,683	24,302	15,051	48,958	32,709	20
14,295	9,118	53,082	49,089	16,197	19,427	37,448	32,314	19,782	11,918	73,427	63,659	21
3,650	2,710	51,380	55,408	70,750	71,445	69,389	66,561	11,149	7,646	151,288	145,652	22
1,339	597	36,515	29,333	..	..	62,720	46,243	1,638	810	64,358	47,053	23
483	434	1,623	1,331	..	..	2,039	1,455	537	461	2,576	1,916	24
1,338	994	11,075	10,248	..	..	37,496	25,844	3,475	2,112	40,971	27,956	25
1,831	1,669	33,912	35,292	..	..	38,889	37,584	2,535	2,067	41,424	39,651	26
273	304	32,567	35,667	..	..	35,842	38,819	628	813	36,470	39,632	27
96,022	56,640	362,048	311,559	360,794	276,175	345,455	288,413	160,606	86,768	866,855	651,356	
215,367	120,913	664,533	420,062	279,738	183,847	226,692	153,770	242,194	144,427	748,624	482,044	
205,531	97,533	304,199	153,143	166,133	80,917	33,039	15,413	271,526	120,879	470,698	217,209	
96,022	56,640	362,048	311,559	360,794	276,175	345,455	288,413	160,606	86,768	866,855	651,356	
516,920	275,086	1,330,780	884,764	806,665	540,939	605,186	457,596	674,326	352,074	2,086,177	1,350,609	
117,995	78,072	402,375	283,339	329,806	210,009	219,499	138,123	153,791	93,848	703,096	441,980	
398,925	197,014	928,405	601,425	476,859	330,930	385,687	319,473	520,535	258,226	1,383,081	903,629	
..	..	..	..	..	..	..	..	..	..	..	..	

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Eyemouth** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		3,502		3,183		6,685		68		1,492		10		1,570					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	2,502	2,075	40,640	29,968	304	139	43,446	32,182	43,446	32,182	16,648	14,065
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	227	114	2,790	1,288	..	..	3,017	1,402	3,017	1,402	462	168
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	2,729	2,189	43,430	31,256	304	139	46,463	33,584	46,463	33,584	17,110	14,233
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	422	814	131	251	553	1,065	..	..	..	..	..	..	..	..	553	1,065	625	785
Codling	..	..	..	..	3,139	5,659	1,447	2,498	4,586	8,157	..	..	..	..	..	..	..	..	4,586	8,157	3,010	3,426
Ling	..	..	..	..	121	206	28	51	149	257	..	..	..	..	..	..	..	..	149	257	266	275
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	80	80	80	100	160	180	..	..	..	..	..	..	..	..	160	180	..	..
Haddocks, ex. La.																						
,, Large																						
,, Medium	..	..	..	..	6,108	16,306	1,973	4,832	8,081	21,138	..	..	..	..	..	..	..	..	8,081	21,138	5,207	6,481
,, Small																						

Whitings	..	..	..	..	825	1,968	301	655	1,126	2,623	..	..	..	..	..	..	..	..	1,126	2,623	1,639	1,988
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	66	84
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	127	112	49	39	176	151	..	..	..	..	..	..	..	..	176	151	135	115
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	10,822	25,145	4,009	8,426	14,831	33,571	..	..	..	..	..	..	..	..	14,831	33,571	10,948	13,154
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	42
Lemon Soles	..	..	..	..	36	155	9	36	45	191	..	..	..	..	..	..	..	..	45	191	39	126
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4
Plaice, Large	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
,, Medium	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
,, Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	36	155	9	36	45	191	..	..	..	..	..	..	..	..	45	191	53	172
Skates and Rays	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	121	119
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	10,858	25,300	4,018	8,462	14,876	33,762	2,729	2,189	43,430	31,256	304	139	46,463	33,584	61,339	67,346	28,232	27,678

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No	£	Cwts.	£	Cwts.	£	Cwts.	£				
TOTAL VALUE OF ALL FISH	..	..	4,800	213	176,300	1,684	..	..	..	..	..	..	..	1,897	..	1,637
Fish used for Manure (included above)													..	69,243	..	29,315
,, ,, Bait (,,)													..	..	..	..
													157	198	484	400

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the district of **Leith** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	236	257	..	..	..	..	..	..	..	..	..	..	1325	2171	8,732	10,183	10,057	12,354	10,293	12,611	1,908	1,166
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,660	1,467	2,660	1,467	2,660	1,467	1,236	395
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	105	359	105	359	105	359	193	453
Mackerel	394	370	..	..	..	..	112	91	112	91	..	..	..	..	..	..	..	..	506	461	371	264
Total of Pelagic Fish	630	627	..	..	..	..	112	91	112	91	..	..	1325	2171	11,497	12,009	12,822	14,180	13,564	14,898	3,708	2,278
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	19,488	24,564	..	..	3,155	5,209	2,138	2,552	5,293	7,761	..	..	428	501	2,454	2,895	2,882	3,396	27,663	35,721	39,268	37,932
Ling	2,246	2,372	..	..	..	..	5	8	5	8	..	..	..	..	..	..	..	..	2,251	2,380	1,751	1,421
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	2,199	1,520	..	..	..	..	67	67	67	67	..	..	..	..	..	..	..	..	2,266	1,587	2,649	1,525
Haddocks, ex. La. Large, Medium, Small	67,599	81,607	..	..	2,672	5,203	2,066	3,012	4,739	8,318	..	..	..	..	8	10	8	10	72,346	89,935	107,012	95,644

Whitings	18,336	16,952	..	..	155	241	190	207	345	448	..	..	..	..	..	..	..	..	18,681	17,409	15,854	10,114
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	268	786	268	786	268	786	325	612
Gurnards	1,143	458	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,143	458	1,202	335
Catfish	1,987	2,014	..	..	16	19	200	205	216	224	..	..	..	..	2	2	2	2	2,205	2,240	6,131	4,238
Monks (Anglers)	1,040	1,041	..	..	1	2	..	..	1	2	..	..	..	..	..	..	..	..	1,041	1,043	1,046	780
Hake	5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	4	..	..
Total of Round Fish	114,043	130,532	..	..	6,000	10777	4,666	6,051	10,666	16,828	..	..	428	501	2,732	3,693	3,160	4,194	127,869	151,554	175,238	152,601
FLAT.																						
Turbot	720	2,502	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	720	2,502	1,068	3,102
Halibut	273	887	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	273	887	337	891
Lemon Soles	3,090	9,708	..	..	..	..	14	39	14	39	..	..	..	..	..	..	..	..	3,104	9,747	3,940	10,460
Flounders	493	722	..	..	..	..	..	..	..	..	..	..	..	..	1,046	1,089	1,046	1,089	1,449	1,811	2,913	2,536
Plaice, Large, „ Medium, „ Small	4,740	10,139	..	..	276	575	532	694	808	1,269	..	..	1972	4778	512	866	2,484	5,644	8,032	17,052	8,397	14,956
Brill	2	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	6	13	31
Dabs	1,626	1,244	..	..	173	199	215	192	388	391	..	..	109	125	6	8	115	133	2,129	1,768	3,674	2,784
Whitches	894	2,003	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	894	2,003	1,170	2,393
Megrims	53	126	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	53	126	246	434
Total of Flat Fish	11,801	27,337	..	..	449	774	761	925	1,210	1,699	..	..	2081	4903	1,564	1,963	3,645	6,866	16,656	35,902	21,758	37,587
Skates and Rays	3,162	1,675	..	..	20	15	41	37	61	52	..	..	541	216	26	22	567	238	3,790	1,965	3,676	1,490
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	95	55	..	..	..	..	114	118	114	118	..	..	..	..	14	12	14	12	223	185	418	260
GRAND TOTALS	129,731	160,226	..	..	6,469	11566	5,694	7,222	12,163	18,788	..	..	4375	7791	15,833	17,699	20,208	25,490	162,102	204,504	204,798	194,216

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	19,400	56	9,253	494	238,419	1,421	480	26	3,696	604	1,388	216	..	2,817	..	3,656
TOTAL VALUE OF ALL FISH													..	207,321	..	197,872
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Anstruther** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		3,253		5,242		8,495		1		1,570		3,086		4,657					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	94	16	4,899	6,884	5,165	7,668	10,158	14,568	10,158	14,568	25,777	12,719
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	179	17	179	17	179	17	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	110	220	110	220	110	220	288	621
Mackerel	..	..	..	..	..	..	3	4	3	4	..	..	..	..	..	..	..	..	3	4	18	13
Total of Pelagic Fish	..	..	..	..	..	..	3	4	3	4	94	16	4,899	6,884	5,454	7,905	10,447	14,805	10,450	14,809	26,083	13,353
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	2,437	3,622	2,450	2,814	4,887	6,436	..	..	77	108	552	720	629	828	5,516	7,264	9,165	9,922
Ling	..	..	..	..	1	1	..	..	1	1	..	..	..	..	..	..	..	..	1	1	66	58
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	20	15	21	18	41	33	..	..	..	..	..	..	..	..	41	33	62	34
Haddocks, ex. La.																						
„ Large	..	..	..	..	2,174	4,407	1,428	2,719	3,602	7,126	..	..	..	..	..	..	..	..	3,602	7,126	7,982	11,390
„ Medium																						
„ Small																						

Whitings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	94	68
Conger Eels	..	..	..	..	9	11	1	1	10	12	..	..	..	..	..	..	..	..	10	12	24	30
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	185	209	188	189	373	398	..	..	..	..	..	..	..	..	373	398	700	608
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	4,826	8,265	4,088	5,741	8,914	14,006	..	..	77	108	552	720	629	828	9,543	14,834	18,093	22,110
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	3	12	..	..	3	12	..	..	..	..	..	..	..	..	3	12	5	13
Lemon Soles	..	..	..	..	28	86	9	26	37	112	..	..	..	..	..	..	..	..	37	112	129	333
Flounders	..	..	..	..	31	36	83	101	114	137	..	..	..	..	182	227	182	227	296	364	288	288
Plaice, Large „ Medium „ Small	..	..	..	..	320	509	1,569	2,448	1,889	2,957	..	..	215	386	733	1,503	948	1,889	2,837	4,846	2,504	3,037
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	52	59	52	59	..	..	..	..	..	..	..	..	52	59	131	111
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	382	643	1,713	2,634	2,095	3,277	..	..	215	386	915	1,730	1,130	2,116	3,225	5,393	3,057	3,782
Skates and Rays	..	..	..	..	4	3	..	..	4	3	..	..	..	..	..	..	..	..	4	3	26	18
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	5,212	8,911	5,804	8,379	11,016	17,290	94	16	5,191	7,378	6,921	10,355	12,206	17,749	23,222	35,039	47,259	39,263

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	28,725	780	186,904	1,884	32,688	1,688	..	..	1,840	418	..	4,770	..	3,737
TOTAL VALUE OF ALL FISH													..	**39,809**	..	**43,000**
Fish used for Manure (included above)													160	8	..	..
„ „ Bait („ „)													112	81	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Montrose** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	468		..		14,061		4,349		18,410		..		37		563		600					
Aggregate No. of Days absent from Port	1,389		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	1	2	..	..	..	..	..	..	..	..	..	..	569	206	759	363	1,328	669	1,329	671	196	154
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,904	1,226	8,904	1,226	8,904	1,226	764	290
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	24	7	24	7	24	15	57
Mackerel	66	150	..	..	40	22	94	48	134	70	..	..	144	53	45	4	189	57	389	277	687	550
Total of Pelagic Fish	67	152	..	..	40	22	94	48	134	70	..	..	713	359	9,715	1,617	10,428	1,976	10,629	2,198	1,662	1,051
DEMERSAL FISH—																						
ROUND.																						
Cod	1,724	4,262	..	..	16,300	24,038	1,054	1,699	17,354	25,737	..	..	..	..	33	57	33	57	20,816	32,733	26,152	31,365
Codling	1,705	2,677																				
Ling	181	415	..	..	15	17	..	..	15	17	..	..	..	..	..	..	..	..	196	432	78	125
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	286	265	..	..	82	46	52	54	134	100	..	..	..	..	..	..	..	..	420	365	326	279
Haddocks, ex. La.	..	..																				
,, Large	1,474	2,725	..	..	28,251	50,610	200	362	28,451	50,972	..	..	..	..	..	..	..	..	44,769	73,556	63,822	71,992
,, Medium	1,310	2,255																				
,, Small	13,534	17,604																				

Whitings	5,130	4,964	..	..	4,937	5,153	88	66	5,025	5,219	..	..	..	..	..	..	..	..	10,155	10,183	9,745	7,788
Conger Eels	6	3	..	..	5	12	36	55	41	67	..	..	..	..	..	..	..	..	47	70	45	45
Gurnards	467	204	..	..	8	4	..	..	8	4	..	..	..	..	..	..	..	..	475	208	424	138
Catfish	373	460	..	..	944	915	14	12	958	927	..	..	..	..	..	..	..	..	1,331	1,387	1,446	1,095
Monks (Anglers)	159	204	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	159	204	217	186
Hake	3	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	6	1	2
Total of Round Fish	26,352	36,044	..	..	50,542	80,795	1,444	2,248	51,986	83,043	..	..	..	..	33	57	33	57	78,371	119,144	102,266	113 015
FLAT.																						
Turbot	98	688	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	98	688	90	443
Halibut	27	153	..	..	5	18	..	..	5	18	..	..	..	..	..	..	..	..	32	171	28	130
Lemon Soles	1,047	4,655	..	..	6	25	..	..	6	25	..	..	..	..	..	..	..	..	1,053	4,680	1,105	3,949
Flounders	15	23	..	..	21	41	177	201	198	242	..	..	..	..	30	23	30	23	243	288	325	240
Plaice, Large	352	1,455																				
,, Medium	1,333	3,614	..	..	498	1,230	1,235	2,358	1,733	3,588	..	..	33	105	62	149	95	254	6,788	14,153	5,810	9,793
,, Small	3,275	5,242																				
Brill	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	4	13
Dabs	1,135	868	..	..	125	186	383	386	508	572	..	..	..	..	..	..	..	..	1,643	1,440	1,712	984
Whitches	72	208	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	72	208	115	273
Megrims	7	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	14	19	34
Total of Flat Fish	7,362	16,924	..	..	655	1,500	1,795	2,945	2,450	4,445	..	..	33	105	92	172	125	277	9,937	21,646	9,208	15,859
Skates and Rays	696	438	..	..	11	10	1	1	12	11	..	..	..	..	..	..	..	..	708	449	867	344
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	36	28	..	..	20	15	..	..	20	15	..	..	..	..	..	..	..	..	56	43	20	13
GRAND TOTALS	34,513	53,586	..	..	51,268	82,342	3,334	5,242	54,602	87,584	..	..	746	464	9,840	1,846	10,586	2,310	99,701	143,480	114,023	130,282

SHELL-FISH

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.			
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£		
	..	..	25,464	1,338	220,908	2,618	47,376	3,044	..	..	1,516	428	..	7,428	..	5,923
TOTAL VALUE OF ALL FISH													..	**150,908**	..	**136,205**
Fish used for Manure (included above)													110	..	..	..
,, ,, Bait (,, ,,)													35	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Stonehaven** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		1,894		2,849		4,743		..		1		1		2					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	42	28	9	6	51	34	51	34	..	..
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	402	225	402	225	..	..	..	..	..	..	..	..	402	225	1,902	1,032
Total of Pelagic Fish.	..	..	..	..	..	..	402	225	402	225	..	..	42	28	9	6	51	34	453	259	1,902	1,032
DEMERSAL FISH— ROUND.																						
Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Codling	..	..	..	..	901	1,280	924	1,190	1,825	2,470	..	..	..	..	..	..	..	..	1,825	2,470	1,450	1,436
Ling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haddocks, ex. La.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
„ Large	..	..	..	..	..	..	30	39	30	39	..	..	..	..	..	..	..	..	30	39	..	..
„ Medium	..	..	..	..	3,408	5,128	757	1,070	4,165	6,198	..	..	..	..	..	..	..	..	4,165	6,198	5,187	5,785
„ Small	..	..	..	..	347	393	153	152	500	545	..	..	..	..	..	..	..	..	500	545	2,509	1,968

Whitings	..	..	..	..	2,116	2,141	831	722	2,947	2,863	..	..	..	..	..	..	..	..	2,947	2,863	2,691	1,506
Conger Eels	..	..	..	..	..	..	29	29	29	29	..	..	..	..	..	..	..	..	29	29	53	13
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	6,772	8,942	2,724	3,202	9,496	12,144	..	..	..	..	..	..	..	..	9,496	12,144	11,890	10,708
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	1	2	1	2	..	..	..	..	..	..	..	..	1	2	..	..
Lemon Soles	..	..	..	..	10	10	2	2	12	12	..	..	..	..	..	..	..	..	12	12	14	23
Flounders	..	..	..	..	..	..	11	11	11	11	..	..	..	..	..	..	..	..	11	11	12	11
Plaice, Large / „ Medium / „ Small	..	..	..	..	1	1	68	119	69	120	..	..	..	..	..	..	..	..	69	120	62	60
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	116	58	116	58	..	..	..	..	..	..	..	..	116	58	100	55
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	11	11	198	192	209	203	..	..	..	..	..	..	..	..	209	203	188	149
Skates and Rays	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	6,783	8,953	3,324	3,619	10,107	12,572	..	..	42	28	9	6	51	34	10,158	12,606	13,980	11,889

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.				
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£			
	..	..	2,267	127	161,628	1,582	..	..	..	..	..	..	..	1,709	..	704
TOTAL VALUE OF ALL FISH													..	**14,315**	..	**12,593**
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Aberdeen** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.*		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	5,862		540		1,966		2,385		4,891		206		998		103		1,307					
Aggregate No. of Days absent from Port . . .	19,934		2,959		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings . .	400	413	..	..	..	..	..	..	..	..	13 286	7,989	6827	3409	5,244	2,191	25,357	13,589	25,757	14,002	6,923	3,300
Sprats . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel . .	1,388	1,186	..	..	9	9	129	132	138	141	695	256	343	128	327	115	1,365	499	2,891	1,826	2,297	1,647
Total of Pelagic Fish	1,788	1,599	..	..	9	9	129	132	138	141	13,981	8,245	7170	3537	5,571	2,306	26,722	14,088	28,648	15,828	9,220	4,947
DEMERSAL FISH—																						
ROUND.																						
Cod . . .	63,374	99,915	25,123	41,946	2577	5146	330	650	28,030	47,742	..	..	18	59	..	..	18	59	91,422	147,716	91,141	107,465
Codling . .	107,534	147,462	1,542	2,344	357	622	421	640	2,320	3,606	..	..	5	14	..	..	5	14	109,859	151,082	132,582	142,499
Ling . . .	13,088	12,312	15,050	16,180	288	411	39	62	15,377	16,653	..	..	..	..	..	..	..	..	28,465	28,965	69,417	51,656
Torsk (Tusk) .	311	290	3,491	4,856	..	..	..	..	3,491	4,856	..	..	..	..	..	..	..	..	3,802	5,146	8,103	7,725
Saithe (Coal Fish) .	25,271	20,938	3,869	3,048	1412	1053	202	161	5,483	4,262	..	..	..	..	..	..	..	..	30,754	25,200	73,179	35,532
Haddocks, ex. La.	14,845	19,759	474	753	..	..	..	..	474	753	..	..	..	..	..	..	..	..	15,319	20,512	22,502	24,926
„ Large .	64,041	126,434	..	..	2168	3457	214	343	2,382	3,800	..	..	..	..	..	..	..	..	66,423	130,234	53,128	94,809
„ Medium .	25,000	59,064	..	..	..	..	603	620	603	620	..	..	..	..	..	..	..	..	25,603	59,684	25,975	42,273
„ Small .	112,281	161,028	..	..	622	784	819	590	1,441	1,374	..	..	..	..	..	..	..	..	113,722	162,402	172,881	157,762

Whitings	54,632	78,503	..	..	3169	3352	1,657	1,321	4,826	4,673	..	..	..	..	..	..	..	..	59,458	83,176	63,745	61,277
Conger Eels	59	59	431	372	5	7	..	..	436	379	..	..	1	1	..	..	1	1	496	439	200	180
Gurnards	5,169	1,943	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,169	1,943	5,714	1,937
Catfish	10,135	5,864	66	45	5	4	..	..	71	49	..	..	..	..	..	..	..	..	10,206	5,913	12,996	6,750
Monks (Anglers)	7,638	5,930	..	..	..	..	..	..	..	..	..	..	32	8	..	..	32	8	7,670	5,938	9,950	5,479
Hake	1,846	3,117	3	7	..	..	..	..	3	7	..	..	..	..	..	..	..	..	1,849	3,124	5,451	7,200
Total of Round Fish	505,224	742,618	50,049	69,551	10,603	14,836	4,285	4,387	64,937	88,774	..	..	56	82	..	..	56	82	570,217	831,474	746,964	747,470
FLAT.																						
Turbot	1,288	7,457	8	28	2	8	..	..	10	36	..	..	..	..	..	..	..	..	1,298	7,493	1,566	7,664
Halibut	3,430	12,565	8,645	34,334	54	228	13	46	8,712	34,608	..	..	..	..	..	..	..	..	12,142	47,173	14,174	49,656
Lemon Soles	15,496	65,087	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,496	65,087	2 ,340	80,368
Flounders	17	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	17	42	33
Plaice, Large	635	1,832	..	..	..	..	..	..	..	..	..	..	24	127	..	..	24	127	659	1,959	411	915
„ Medium	6,154	26,309	..	..	215	768	78	270	293	1,038	..	..	1264	6868	..	..	1,264	6,868	7,711	34,215	5,681	18,961
„ Small	3,352	8,471	..	..	165	339	26	49	191	388	..	..	770	2437	..	..	770	2,437	4,313	11,296	1,867	3,891
Brill	41	138	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	41	138	81	213
Dabs	6,543	7,399	..	..	160	275	232	381	392	656	..	..	369	548	..	..	369	548	7,304	8,603	5,072	5,119
Whitches	2,374	7,122	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,374	7,122	833	2,060
Megrims	2,022	5,705	11	16	..	..	..	..	11	16	..	..	..	..	..	..	..	..	2,033	5,721	7,873	19,314
Total of Flat Fish	41,352	142,102	8,664	34,378	596	1618	349	746	9,609	36,742	..	..	2427	9980	..	..	2,427	9,980	53,388	188,824	57,940	188,194
Skates and Rays	18,716	11,664	16,813	11,277	815	486	169	100	17,797	11,863	..	..	4	4	..	..	4	4	36,517	23,531	62,507	31,696
Squids	49	101	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49	101	197	178
Unclassified kinds	2,263	788	1,490	704	34	8	3	2	1,527	714	..	..	..	..	..	..	..	..	3,790	1,502	1,063	572
GRAND TOTALS	569,392	898,872	77,016	115,910	12,057	16,957	4,935	5,367	94,008	138,234	13,981	8,245	9657	13,603	5,571	2,306	29,209	24,154	692,609	1,061,269	877,891	973,057

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	441	24	14,870	135	..	..	4	1	10	2	..	162	..	117
TOTAL VALUE OF ALL FISH													..	1,061,422	..	973,174
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													49	101	..	..

* Included are 32 shots landed by motor trawlers, totalling 112 cwts. (mostly plaice), value £457.

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Peterhead** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		26		6,829		6,855		2,303		816		1,578		4,697					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	127,454	87,325	44,659	29,883	97,644	51,293	269,757	168,501	269,757	168,501	267	59
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	157	120	157	120	1,249	446	432	153	796	264	2,477	863	2,634	983	1,552	690
Total of Pelagic Fish	..	..	..	..	..	..	157	120	157	120	128,703	87,771	45,091	30,036	98,440	51,557	272,234	169,364	272,391	169,484	1,819	749
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	..	..	621	1,031	621	1,021	..	..	..	..	..	..	..	..	621	1,031	1,424	1,412
Codling	..	..	..	..	..	..	4,097	5,608	4,097	5,608	..	..	..	..	..	..	..	..	4,097	5,608	5,773	5,147
Ling	..	..	..	..	..	..	56	61	56	61	..	..	..	..	..	..	..	..	56	61	167	125
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	1,120	618	1,120	618	..	..	..	..	..	..	..	..	1,120	618	501	264
Haddocks, ex. Large	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
,, Large	..	..	..	..	..	..	242	316	242	316	..	..	..	..	..	..	..	..	242	316	978	1,282
,, Medium	..	..	..	..	..	..	855	1,098	855	1,098	..	..	..	..	..	..	..	..	855	1,098	1,794	1,768
,, Small	..	..	..	..	..	..	158	167	158	167	..	..	..	..	..	..	..	..	158	167	2,737	1,803

Whitings	..	..	..	..	..	..	1,586	1,041	1,586	1,041	..	..	..	..	..	..	..	..	1,586	1,041	2,786	1,311
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	221	146
Gurnards	..	..	..	..	..	..	113	58	113	58	..	..	..	..	..	..	..	..	113	58	70	19
Catfish	..	..	..	..	..	..	10	8	10	8	..	..	..	..	..	..	..	..	10	8	134	59
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	..	..	8,858	10,006	8,858	10,006	..	..	..	..	..	..	..	..	8,858	10,006	16,585	13,336
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	9
Halibut	..	..	..	..	..	..	2	4	2	4	..	..	..	..	..	..	..	..	2	4	21	63
Lemon Soles	..	..	..	..	..	..	7	26	7	26	..	..	..	..	..	..	..	..	7	26	35	112
Flounders	..	..	..	..	..	..	73	91	73	91	..	..	..	..	2	4	2	4	75	95	167	120
Plaice, Large	..	..	..	..	..	..	89	291	89	291	..	..	..	..	17	58	17	58	106	349	212	6 8
,, Medium	..	..	..	..	66	256	936	2,733	1,002	2,989	..	..	..	..	..	..	..	..	1,002	2,989	455	826
,, Small	..	..	..	..	..	..	157	335	157	335	..	..	..	..	..	..	..	..	157	335	37	32
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	385	515	385	515	..	..	..	..	..	..	..	..	385	515	1,225	1,046
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	66	256	1,649	3,995	1,715	4,251	..	..	..	..	19	62	19	62	1,734	4,313	2,154	2,816
Skates and Rays	..	..	..	..	..	..	4	3	4	3	..	..	..	..	..	..	..	..	4	3	97	44
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	153	49
Unclassified kinds	..	..	..	..	..	..	22	12	22	12	..	..	..	..	..	..	..	..	22	12	..	..
GRAND TOTALS	..	..	..	..	66	256	10,690	14,136	10,756	14,292	128,703	87,771	45,091	30,036	98,459	51,619	272,253	169,426	283,009	183,818	20,808	16,994

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	396	31	1,557	15	1,016	42	..	..	..	..	..	88	..	..
TOTAL VALUE OF ALL FISH													..	183,906	..	..
Fish used for Manure (included above)													..	..	..	..
,, ,, Bait (,,)													.	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Fraserburgh** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		1,975		5,498		7,473		2,104		2,324		2,905		7,333					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	135,344	85,502	125,118	79,196	118,386	67,479	378,848	232,177	378,848	232,177	31,335	25,361
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	1,252	318	1,522	433	1,638	385	4,412	1,136	4,412	1,136	2,973	1,224
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	136,596	85,820	126,640	79,629	120,024	67,864	383,260	233,313	383,260	233,313	34,308	26,585
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	2781	4248	4,960	6,312	7,741	10,560	..	..	..	..	1,189	815	1,189	815	8,930	11,375	11,212	10,840
Codling																						
Ling	..	..	..	..	325	448	63	74	388	522	..	..	..	..	..	..	..	..	388	522	542	422
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	4
Saithe (Coal Fish)	..	..	..	..	220	143	937	605	1,157	748	..	..	..	..	..	..	..	..	1,157	748	2,154	1,276
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	4132	7094	875	1,308	5,007	8,402	..	..	..	..	..	..	..	..	5,007	8,402	6,175	8,137
„ Small																						

Whitings	..	..	..	..	254	431	143	127	397	558	..	..	..	.	..	..	..	..	397	558	870	629
Conger Eels	..	..	..	..	90	95	4	3	94	98	..	..	..	..	..	..	..	..	94	98	286	228
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	57	61	34	31	91	92	..	..	..	..	..	..	..	..	91	92	80	49
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	7859	12,520	7,016	8,460	14,875	20,980	..	..	..	..	1,189	815	1,189	815	16,064	21,795	21,336	21,585
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	70	264	..	..	70	264	..	..	..	..	..	..	..	..	70	264	107	301
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plaice, Large, Medium, Small	..	..	..	..	6	15	313	780	319	795	..	..	..	..	..	..	..	..	319	795	202	432
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	29	28	29	28	..	..	..	..	..	..	..	..	29	28	30	36
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	76	279	342	808	418	1,087	..	..	..	..	..	..	..	..	418	1,087	339	769
Skates and Rays	..	..	..	..	206	193	12	6	218	199	..	..	..	..	..	..	..	..	218	199	303	161
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	60	4	11	3	71	7	..	..	..	..	..	..	..	..	71	7	40	22
GRAND TOTALS	..	..	..	..	8201	12,996	7,381	9,277	15,582	22,273	136,596	85,820	126,640	79,629	121,213	68,679	384,449	234,128	400,031	256,401	56,326	49,122

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	4,033	241	100,120	1,027	..	..	..	..	532	135	..	1,403	..	1,468
TOTAL VALUE OF ALL FISH													..	257,804	..	50,590
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													..	..	..	..

APPENDIX B.—No. II.—Return respecting Vessels arriving and Fish landed in the District of **Banff** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		4,931		4,423		9,354		9		1,460		585		2,054					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	315	219	909	597	642	406	1,866	1,222	1,866	1,222	1,400	1,061
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	14	9	14	9	..	..	163	43	14	4	177	47	191	56	1,024	415
Total of Pelagic Fish	..	..	..	..	..	..	14	9	14	9	315	219	1,072	640	656	410	2,043	1,269	2,057	1,278	2,424	1,476
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	15	21	29	43	44	64	..	..	1,912	3,169	1,140	1,585	3,052	4,754	3,096	4,818	4,204	3,879
Codling	..	..	..	..	1,668	1,965	1,107	1,401	2,775	3,366	..	..	..	..	..	..	..	..	2,775	3,366	1,731	1,732
Ling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haddocks, ex. La.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" Large	..	..	..	..	1,670	2,977	2,654	4,186	4,324	7,163	..	..	..	..	..	..	..	..	4,324	7,163	4,486	6,857
" Medium	..	..	..	..	8,355	15,662	1,807	3,517	10,162	19,179	..	..	..	..	..	..	..	..	10,162	19,179	7,364	8,216
" Small	..	..	..	..	617	727	583	667	1,200	1,394	..	..	..	..	..	..	..	..	1,200	1,394	4,431	3,860

Whitings	..	..	..	..	4,606	3,046	2,218	1,492	6,824	4,538	..	..	..	..	..	..	..	..	6,824	4 538	7,090	3 636
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	16,931	24,398	8,398	11,306	25,329	35,704	..	..	1,912	3,169	1,140	1,585	3,052	4,754	28,381	40,458	29,306	28,180
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	34	193	..	..	34	193	34	193	840	3,749
Flounders	..	..	..	..	24	26	71	112	95	138	..	..	..	..	..	..	..	..	95	138	45	41
Plaice, Large																						
„ Medium	..	..	..	..	..	..	..	..	..	..	..	..	252	1,047	6	12	258	1,059	258	1,059	..	..
„ Small																						
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	24	26	71	112	95	138	..	..	286	1,240	6	12	292	1,252	387	1,390	885	3,790
Skates and Rays	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	16,955	24,424	8,483	11,427	25,438	35,851	315	219	3,270	5,049	1,802	2,007	5,387	7,275	30,825	43,126	32.615	33,446

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	..	..	59,312	717	..	..	..	..	..	..	..	717	..	343
TOTAL VALUE OF ALL FISH													..	43,843	..	33,789
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													..	..	..	..

APPENDIX B.—No II.—RETURN respecting Vessels arriving and Fish landed in the District of **Buckie** during the Year 1916, and showing the catch and value during the previous Year

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		34		3,810		3,844		..		41		1,049		1,090					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	.	..	..	..	..	..	..	..	..	..	..	104	81	104	81	104	81	149	111
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	77	33	77	33	77	33	170	59
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	181	114	181	114	181	114	319	170
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	..	..	..	..	..	..	..	..	1,178	1,289	11,548	12,652	12,726	13,941	12,726	13,941	14,541	12,295
Codling	..	..	..	..	..	..	2,162	2,548	2,162	2,548	..	..	..	..	1,445	1,764	1,445	1,764	3,607	4,312	2,101	1,637
Ling	..	..	..	..	..	..	27	20	27	20	..	..	..	..	..	..	..	..	27	20	..	..
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	13	6	13	6	..	..	..	..	..	..	..	..	13	6	27	17
Haddocks, ex. La.																						
" Large	..	..	..	..	70	145	4,047	6,837	4,117	6,982	..	..	..	..	..	..	..	..	4,117	6,982	5,372	6,168
" Medium																						
" Small																						

Whitings	..	..	..	..	..	..	455	315	455	315	..	..	..	..	..	..	..	..	455	315	430	214
Conger Eels	..	..	..	..	..	..	10	7	10	7	..	..	..	..	..	..	..	..	10	7	4	9
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	70	145	6,714	9,733	6,784	9,878	..	..	1,178	1,289	12,993	14,416	14,171	15,705	20,955	25,583	22,475	20,340
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	12	29	12	29	..	..	..	..	2	4	2	4	14	33	1	3
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	102	224	102	224	..	..	..	..	75	161	75	161	177	385	47	51
Plaice, Large „ Medium „ Small	..	..	..	..	..	..	182	320	182	320	..	..	..	..	..	..	..	..	182	320	138	155
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	31	34	31	34	..	..	..	..	..	..	..	..	31	34	35	39
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	327	607	327	607	..	..	..	..	77	165	77	165	404	772	221	248
Skates and Rays	..	..	..	..	..	..	4	8	4	8	..	..	..	..	21	20	21	20	25	28	205	104
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	70	145	7,045	10,348	7,115	10,493	..	..	1,178	1,289	13,272	14,715	14,450	16,004	21,565	26,497	23,220	20,862

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	1,144	68	1,680	23	..	..	..	..	..	..	..	91	..	49
TOTAL VALUE OF ALL FISH													..	26,588	..	20,911
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Findhorn** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		509		7,601		8,110		4		39		1,188		1,231					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	106	49	..	..	2,744	3,020	2,850	3,069	2,850	3,069	5,869	3,459
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	376	449	376	449	376	449	710	328
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	2
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	106	49	..	..	3,120	3,469	3,226	3,518	3,226	3,518	6,584	3,789
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	82	133	920	1,268	1,002	1,401	..	..	1,384	1582	3,899	4,625	5,283	6,207	6,285	7,608	8,090	6,394
Codling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	733	576
Ling	..	..	..	..	..	..	3	5	3	5	..	..	..	..	..	..	..	..	..	..	2	2
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	5	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	14	6	14	6	..	..	..	..	..	..	..	..	14	6	8	2
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	1,193	2,249	12,098	21,121	13,291	23,370	..	..	..	..	..	..	..	..	13,291	23,370	16,894	16,709
„ Small																						

Whitings	..	..	..	..	75	89	1,026	1,053	1,101	1,142	..	..	..	..	..	..	..	..	1,101	1,142	897	611
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1
Catfish	..	..	..	..	7	4	103	61	110	65	..	..	..	..	..	..	..	..	110	65	31	14
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	1,357	2,475	14,164	23,514	15,521	25,989	..	..	1,384	1582	3,899	4,625	5,283	6,207	20,804	32,196	26,659	24,309
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	22	113	22	113	..	..	..	..	..	..	..	..	22	113	6	15
Lemon Soles	..	..	..	..	..	..	6	27	6	27	..	..	..	..	..	..	..	..	6	27	..	..
Flounders	..	..	..	..	..	..	45	53	45	53	..	..	..	..	..	..	..	..	45	53	92	73
Plaice, Large „ Medium „ Small	..	..	..	..	92	222	2,260	5,126	2,352	5,348	..	..	..	..	253	797	253	797	2,605	6,145	1,978	3,861
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	26	70	26	70	..	..	..	..	..	..	..	..	26	70	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	92	222	2,359	5,389	2,451	5,611	..	..	..	..	253	797	253	797	2,704	6,408	2,076	3,949
Skates and Rays	..	..	..	..	..	..	66	53	66	53	..	..	..	..	64	36	64	36	130	89	170	68
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	3
GRAND TOTALS	..	..	..	..	1,449	2,697	16,589	28,956	18,038	31,653	106	49	1,384	1582	7,336	8,927	8,826	10,558	26,864	42,211	35,493	32,118

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
TOTAL VALUE OF ALL FISH	..	..	2,220	119	1,800	15	140	7	..	..	2	1	..	221	..	156
Fish used for Manure (included above)													..	42,432	..	32,274
„ „ Bait („)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Cromarty** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor		Sail.		Total.					
No. of Vessels arriving	..		..		..		5,768		5,768		..		..		101		101					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	40
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	40
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	..	..	1,593	1,609	1,593	1,609	..	..	..	..	855	435	855	435	2,448	2,044	2,793	2,206
Ling	..	..	..	..	..	..	24	24	24	24	..	..	..	..	..	..	..	..	24	24	49	17
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	24	21	24	21	..	..	..	..	..	..	..	..	24	21	24	15
Haddocks, ex. La. ,, Large ,, Medium ,, Small	..	..	..	..	..	..	9,454	11,556	9,454	11,556	..	..	..	..	..	..	..	..	9,454	11,556	9,642	8,185

Whitings	..	..	..	..	..	..	145	127	145	127	..	..	..	..	..	..	..	..	145	127	288	179
Conger Eels	..	..	..	..	..	..	12	9	12	9	..	..	..	..	..	..	..	..	12	9	..	..
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	5
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	..	..	11,252	13,346	11,252	13,346	..	..	..	..	855	435	855	435	12,107	13,781	12,801	10,607
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	10	30	10	30	..	..	..	..	..	..	..	..	10	30	..	..
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	247	271	247	271	..	..	..	..	..	..	..	..	247	271	212	109
Plaice, Large / „ Medium / „ Small	..	..	..	..	..	..	948	1,420	948	1,420	..	..	..	..	..	..	..	..	948	1,420	916	923
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	8	9	8	9	..	..	..	..	..	..	..	..	8	9	27	29
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	1,213	1,730	1,213	1,730	..	..	..	..	..	..	..	..	1,213	1,730	1,155	1,061
Skates and Rays	..	..	..	..	..	..	30	13	30	13	..	..	..	..	80	32	80	32	110	45	21	9
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	12	6	12	6	..	..	..	..	..	..	..	..	12	6	..	..
GRAND TOTALS	..	..	..	..	..	..	12,507	15,095	12,507	15,095	..	..	..	..	935	467	935	467	13,442	15,562	14,047	11,717

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	796	54	8,800	50	2,681	134	..	..	545	117	..	355	..	464
TOTAL VALUE OF ALL FISH													..	**15,917**	..	12,121
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Helmsdale** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing	Trawls.		Lines.								Nets.								**1916.** Total Quantity and Value.		**1915.** Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		835		4,620		5,455		..		174		342		516					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	305	230	188	107	493	337	493	337	2,893	1,253
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	100	34
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	305	230	188	107	493	337	493	337	2,993	1,287
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	753	832	2,710	2,581	3,463	3,413	..	..	1,084	1,347	1,872	2,077	2,956	3,424	6,419	6,837	7,545	5,802
Ling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	6	3	6	3	..	..	..	..	..	..	..	..	6	3	48	20
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	2,633	3,416	8,068	11,241	10,701	14,657	..	..	..	..	..	..	..	..	10,701	14,657	10,401	9,153
„ Small																						

Whitings	..	..	..	..	10	7	331	225	341	232	..	..	..	..	..	..	..	..	341	232	149	116
Conger Eels	..	..	..	..	..	..	105	98	105	98	..	..	..	..	..	..	..	..	105	98	39	50
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	2	1	2	1	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	3,396	4,255	11,220	14,148	14,616	18,403	..	..	1,086	1,348	1,872	2,077	2,958	3,425	17,574	21,828	18,182	15,141
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	2	6	10	34	12	40	..	..	..	..	..	..	..	..	12	40	13	41
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	4	6	50	100	54	106	..	..	..	..	56	112	56	112	110	218	42	52
Plaice, Large " Medium " Small	..	..	..	..	8	16	1,234	1,876	1,242	1,892	..	..	..	..	12	26	12	26	1,254	1,918	1,127	1,515
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	14	28	1,294	2,010	1,308	2,038	..	..	..	..	68	138	68	138	1,376	2,176	1,182	1,608
Skates and Rays	..	..	..	..	8	4	54	41	62	45	..	..	..	..	..	..	..	..	62	45	51	40
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	3,418	4,287	12,568	16,199	15,986	20,486	..	..	1,391	1,578	2,128	2,322	3,519	3,900	19,505	24,386	22,408	18,076

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	2,774	166	2,454	18	250	13	..	..	408	83	..	280	..	296
TOTAL VALUE OF ALL FISH													..	24,666	..	18,472
Fish used for Manure (included above)													..	..	..	..
" " Bait (")													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Lybster** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		35		895		930		..		40		265		305					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	98	49	1,531	1,093	1,629	1,142	1,629	1,142	2,005	1,066
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	86	25	86	25	86	25	37	7
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	98	49	1,617	1,118	1,715	1,167	1,715	1,167	2,042	1,073
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	112	88	1,602	1,242	1,714	1,330	..	..	..	..	..	..	..	..	1,714	1,330	2,273	1,028
Ling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	60	11	60	11	..	..	..	..	..	..	..	..	60	11	56	8
Haddocks, ex. La.																						
" Large	..	..	..	..	..	..	406	445	406	445	..	..	..	..	..	..	..	..	406	445	630	421
" Medium																						
" Small																						

Whitings	..	..	..	..	..	..	16	10	16	10	..	..	..	..	..	..	..	..	16	10	..	..
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25	11
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	112	88	2,084	1,708	2,196	1,796	..	..	..	..	..	..	..	..	2,196	1,796	2,984	1,468
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	6
Lemon Soles.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	..	1	1	1	1
Plaice, Large	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
,, Medium	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
,, Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	..	1	1	4	7
Skates and Rays	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	4
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	112	88	2,085	1,709	2,197	1,797	..	..	98	49	1,617	1,118	1,715	1,167	3,912	2,964	5,042	2,552

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	469	24	4,467	33	..	..	..	..	..	..	..	57	..	48
TOTAL VALUE OF ALL FISH													..	3,021	..	2,600
Fish used for Manure (included above)													..	..	..	..
,, ,, Bait (,, ,,)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Wick** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		3,175		5,335		8,510		..		300		536		836					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	1,280	1,032	763	415	2,043	1,447	2,043	1,447	4,770	2,099
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	49	22	12	5	61	27	61	27	35	10
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	1,329	1,054	775	420	2,104	1,474	2,104	1,474	4,805	2,109
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	10,244	6,951	7,866	5,043	18,110	11,994	..	..	4,238	3,679	9,742	8,368	13,980	12,047	32,090	24,041	13,546	7,093
Ling	..	..	..	..	53	40	20	13	73	53	..	..	..	..	..	..	..	..	73	53	99	61
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	335	133	147	74	482	207	..	..	10	5	25	11	35	16	517	223	246	85
Haddocks, ex. La.																						
" Large	..	..	..	..	336	250	2,032	1,073	2,368	1,323	..	..	..	..	..	..	..	..	2,368	1,323	1,169	493
" Medium																						
" Small																						

Whitings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35	11
Conger Eels	..	..	..	..	16	14	..	..	16	14	..	..	..	..	..	..	..	..	16	14	37	29
Gurnards	..	..	..	..	..	..	5	2	5	2	..	..	..	..	..	..	..	..	5	2	49	12
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	10,984	7,388	10,070	6,205	21,054	13,593	..	..	4,248	3,684	9,767	8,379	14,015	12,063	35,069	25,656	15,181	7,784
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	1	4	1	4	..	..
Halibut	..	..	..	..	59	200	34	119	93	319	..	..	1	4	8	25	9	29	102	348	113	326
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	5	6	87	100	92	106	..	..	..	..	..	..	..	..	92	106	112	97
Plaice, Large	..	..	..	..	44	65	43	82	87	147	..	..	21	44	24	51	45	95	132	242	29	27
„ Medium																						
„ Small																						
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	8
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	108	271	164	301	272	572	..	..	22	48	33	80	55	128	327	700	267	458
Skates and Rays	..	..	..	..	545	358	4	2	549	360	..	..	..	..	38	21	38	21	587	381	109	72
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	2	1	..	..	2	1	..	..	1	1	1	3	2	4	4	5	..	..
GRAND TOTALS	..	..	..	..	11,639	8,018	10,238	6,508	21,877	14,526	..	..	5,600	4,787	10,614	8,903	16,214	13,690	38,091	28,216	20,362	10,423

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	23,735	1,470	115,831	1,130	..	..	..	..	521	111	..	2,711	..	2,950
TOTAL VALUE OF ALL FISH													..	30,927	..	13,373
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Orkney** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		487		5,202		5,689		..		..		224		224					
Aggregate No. of Days absent from Port	..		..		487		5,202		5,689		..		..		224		224					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	8	8	8	8	8	..	..
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	8	8	8	8	8	..	..
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	233	342	2,139	2,715	2,372	3,057	..	..	..	..	..	..	..	..	2,372	3,057	1,866	1,946
Codling	..	..	..	..	468	686	4,277	5,428	4,745	6,114	..	..	..	..	..	..	..	..	4,745	6,114	3,737	3,623
Ling	..	..	..	..	..	..	4	6	4	6	..	..	..	..	..	..	..	..	4	6	23	30
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	..	..	3,139	1,579	3,139	1,579	..	..	..	..	4,554	203	4,554	203	7,693	1,782	13,539	2,415
Haddocks, ex. La.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
„ Large	..	..	..	..	40	57	180	253	220	310	..	..	..	..	..	..	..	..	220	310	86	105
„ Medium	..	..	..	..	318	465	1,487	2,003	1,805	2,468	..	..	..	..	..	..	..	..	1,805	2,468	568	728
„ Small	..	..	..	..	35	50	178	258	213	308	..	..	..	..	..	..	..	..	213	308	210	211

Whitings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	1,094	1,600	11,404	12,242	12,498	13,842	..	..	..	..	4,554	203	4,554	203	17,052	14,045	20,029	9,058
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	6	27	64	291	70	318	..	..	..	..	..	..	..	..	70	318	54	132
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	1	3	49	166	50	169	..	..	..	..	..	..	..	..	50	169	25	36
Plaice, Large																						
„ Medium	..	..	..	..	..	..	9	33	9	33	..	..	..	..	..	..	..	..	9	33	..	..
„ Small																						
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	6
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	7	30	122	490	129	520	..	..	..	..	..	..	..	..	129	520	82	174
Skates and Rays	..	..	..	..	..	..	121	120	121	120	..	..	..	..	..	..	..	..	121	120	114	57
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	1,101	1,630	11,647	12,852	12,748	14,482	..	..	..	..	4,562	211	4,562	211	17,310	14,693	20,225	9,289

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified..					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	8,300	48	58,350	3,318	55,000	476	..	..	..	..	152	45	..	3,887	..	4,119
TOTAL VALUE OF ALL FISH													..	18,580	..	18,408
Fish used for Manure (included above)													4,434	163	8,850	232
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No II.—RETURN respecting Vessels arriving and Fish landed in the District of **Shetland** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	166,133	80,917	33,039	15,413	271,518	120,871	470,690	217,201	470,690	217,201	92,048	54,548
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	2,124	536	81	19	416	96	2,621	651	2,621	651	1,879	320
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	168,257	81,453	33,120	15,432	271,934	120,967	473,311	217,852	473,311	217,852	93,927	54,868
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	941	569	330	199	1,733	1,041	3,004	1,809	..	..	..	..	..	..	..	..	3,004	1,809	1,909	982
Codling	..	..	..	..	1,277	1,301	388	307	1,665	1,608	..	..	..	..	..	..	..	..	1,665	1,608	951	708
Ling	..	..	208	107	77	35	534	283	819	425	..	..	..	..	..	..	..	..	819	425	1,771	759
Torsk (Tusk)	..	..	76	18	19	5	233	117	328	140	..	..	..	..	..	..	..	..	328	140	627	208
Saithe (Coal Fish)	..	..	5,271	1,289	2,155	488	16,344	4,719	23,770	6,496	..	..	..	..	..	..	..	..	23,770	6,496	7,997	1,665
Haddocks, ex. La.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
,, Large	..	..	..	..	2,623	4,272	1,828	2,241	4,451	6,513	..	..	..	..	..	..	..	..	4,451	6,513	4,686	4,636
,, Medium	..	..	..	..	3,761	5,626	3,780	3,737	7,541	9,363	..	..	..	..	..	..	..	..	7,541	9,363	5,097	4,797
,, Small	..	..	..	..	612	604	1,123	922	1,735	1,526	..	..	..	..	..	..	..	..	1,735	1,526	896	591

Whitings	..	..	..	..	..	..	1,842	1,244	1,842	1,244	..	..	..	..	..	..	..	..	1,842	1,244	4,141	2,485
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	6,496	1,983	16,854	12,530	27,805	14,611	45,155	29,124	..	..	..	..	..	..	..	..	45,155	29,124	28,075	16,831
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	11	44	10	35	242	854	263	933	..	..	..	..	..	..	..	..	263	933	619	1,875
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plaice, Large „ Medium „ Small	..	..	..	..	..	..	46	58	46	58	..	..	..	..	..	..	..	..	46	58	51	35
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	149	118	149	118	..	..	..	..	..	..	..	..	149	118	218	149
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	11	44	10	35	437	1,030	458	1,109	..	..	..	..	..	..	..	..	458	1,109	888	2,059
Skates and Rays	..	..	36	11	44	21	373	142	453	174	..	..	..	..	..	..	..	..	453	174	1,158	310
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	6,543	2,038	16,908	12,586	28,615	15,783	46,066	30,407	168,257	81,453	33,120	15,432	271,934	120,967	473,311	217,852	519,377	248,259	124,048	74,068

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	..	..	..	..	1,525	74	..	..	609	106	..	180	..	340
TOTAL VALUE OF ALL FISH													..	248,439	..	74,408
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													2,078	310	6,307	2,365

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Stornoway** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	270,417	182,328	37,506	23,258	83,263	38,563	391,186	244,149	391,186	244,149	119,180	87,928
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	2,977	806	547	119	2,567	319	6,091	1,244	6,091	1,244	13,631	2,532
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	273,394	183,134	38,053	23,377	85,830	38,882	397,277	245,393	397,277	245,393	132,811	90,460
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	1,670	1,988	134	165	2,485	1,802	4,289	3,955	..	..	..	..	..	..	..	..	4,289	3,955	1,443	768
Codling																						
Ling	..	..	28	44	5	8	1,744	1,699	1,777	1,751	..	..	..	..	..	..	..	..	1,777	1,751	1,151	899
Torsk (Tusk)	..	..	..	..	..	..	176	131	176	131	..	..	..	..	..	..	..	..	176	131	104	49
Saithe (Coal Fish)	..	..	3,702	2,033	340	201	2,623	681	6,665	2,915	..	..	..	..	..	..	..	..	6,665	2,915	2,907	598
Haddocks, ex. La.																						
" Large	..	..	..	..	..	..	5,024	4,530	5,024	4,530	..	..	..	..	..	..	..	..	5,024	4,530	1,873	1,075
" Medium																						
" Small																						

Whitings	..	..	..	..	..	..	118	75	118	75	..	..	..	..	..	..	..	..	118	75	129	64
Conger Eels	..	..	..	..	..	..	629	497	629	497	..	..	..	..	..	..	..	..	629	497	1,071	639
Gurnards	..	..	..	..	..	..	436	363	436	363	..	..	..	..	..	..	..	..	436	363	412	199
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	1	2	1	2	..	..	..	..	..	..	..	..	1	2	20	25
Total of Round Fish	..	..	5,400	4,065	479	374	13,236	9,780	19,115	14,219	..	..	..	..	..	..	..	..	19,115	14,219	9,110	4,316
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	312	461	312	461	..	..	..	..	..	..	..	..	312	461	111	185
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	250	184	250	184	..	..	..	..	..	..	..	..	250	184	487	257
Plaice, Large / „ Medium / „ Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	4
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	562	645	562	645	..	..	..	..	..	..	..	..	562	645	608	446
Skates and Rays	..	..	..	..	..	..	1,446	688	1,446	688	..	..	..	..	..	..	..	..	1,446	688	863	363
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	2,368	517	2,368	517	..	..	..	..	..	..	..	..	2,368	517	1,630	461
GRAND TOTALS	..	..	5,400	4,065	479	374	17,612	11,630	23,491	16,069	273,394	183,134	38053	23377	85,830	38,882	397,277	245,393	420,768	261,462	145,022	96,046

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	57,887	3,279	5,600	28	41	8	..	..	1,000	300	..	3,615	..	3,729
TOTAL VALUE OF ALL FISH													..	235,077	..	99,775
Fish used for Manure (included above)													..	..	..	..
„ „ Bait. („)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Barra** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	2,900	1,652	13,297	7,327	16,197	8,979	16,197	8,979	4,396	2,632
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	360	18	360	18	360	18	110	14
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	2,900	1,652	13,657	7,345	16,557	8,997	16,557	8,997	4,506	2,646
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	.	..	317	93	317	93	..	..	..	..	..	..	..	..	317	93	436	186
Codling																						
Ling	..	..	..	..	..	..	80	36	80	36	..	..	..	..	..	..	..	..	80	36	578	262
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1
Saithe (Coal Fish)	..	..	..	..	..	..	639	131	639	131	..	..	..	..	..	..	..	..	639	131	9 2	159
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1
„ Small																						

Whitings	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Conger Eels	..	..	..	..	..	..	20	5	20	5	..	..	..	..	..	..	..	..	20	5	47	18
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	..	..	1,056	265	1,056	265	..	..	..	..	..	..	..	..	1,056	265	1,998	627
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	19	12	19	12	..	..	..	..	..	..	..	..	19	12	28	35
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	200	102	200	102	..	..	..	..	..	..	..	..	200	102	205	151
Plaice, Large „ Medium „ Small	..	..	..	..	..	..	158	268	158	268	..	..	..	..	..	..	..	..	158	268	266	204
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	377	382	377	382	..	..	..	..	..	..	..	..	377	382	499	390
Skates and Rays	..	..	..	..	..	..	125	31	125	31	..	..	..	..	..	..	..	..	125	31	350	92
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	90	19	90	19	..	..	..	..	..	..	..	..	90	19	6	2
GRAND TOTALS	..	..	..	..	..	..	1,648	697	1,648	697	..	..	2,900	1,652	13,657	7,345	16,557	8,997	18,205	9,694	7,359	3,757

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	41,347	2,187	..	..	..	..	..	..	680	239	..	2,426	..	3,435
TOTAL VALUE OF ALL FISH													..	12,120	..	7,192
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													..	..	56	12

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Loch Broom** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	3,430	2,975	21,226	14,683	24,302	15,051	48,958	32,709	48,958	32,709	35,731	13,089
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	585	69	246	31	831	100	831	100	431	46
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	3,430	2,975	21,811	14,752	24,548	15,082	49,789	32,809	49,789	32,809	36,162	13,135
DEMERSAL FISH—																						
ROUND.																						
Cod	..	..	..	..	136	85	1,969	1,070	2,105	1,155	..	..	425	311	2,904	1,960	3,329	2,271	5,434	3,426	4,918	2,648
Codling																						
Ling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37	19	37	19	37	19	22	10
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	14	6	532	172	546	178	..	..	236	102	796	319	1,032	421	1,578	599	1,509	460
Haddocks, ex. La.																						
,, Large																						
,, Medium	..	..	..	..	..	..	1,874	1,198	1,874	1,198	..	..	..	..	..	..	..	..	1,874	1,198	1,605	891
,, Small																						

Whitings	..	..	..	..	..	..	141	90	141	90	..	..	..	..	..	..	..	..	141	90	190	101
Conger Eels	..	..	..	..	..	..	6	8	6	8	..	..	..	..	..	..	..	..	6	8	147	66
Gurnards	..	..	..	..	..	..	4	2	4	2	..	..	..	..	..	..	..	..	4	2	4	1
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	10	13
Total of Round Fish	..	..	..	..	150	91	4,526	2,540	4,676	2,631	..	..	661	413	3,739	2,300	4,400	2,713	9,076	5,344	8,405	4,190
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	4	8	4	8	..	..	1	2	2	4	3	6	7	14	8	22
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plaice, Large ,, Medium ,, Small	..	..	..	..	..	..	147	119	147	119	..	..	4	6	24	20	28	26	175	145	194	110
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	151	127	151	127	..	..	5	8	26	24	31	32	182	159	203	133
Skates and Rays	..	..	..	..	..	..	6	3	6	3	..	..	..	..	..	..	..	..	6	3	18	10
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	3	1	3	1	..	..	..	..	..	..	..	..	3	1	33	12
GRAND TOTALS	..	..	..	..	150	91	4,686	2,671	4,836	2,762	3,430	2,975	22,477	15,173	28,313	17,406	54,220	35,554	59,056	38,316	44,821	17,480

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	36,275	2,014	..	..	545	30	..	..	41	16	..	2,060	..	2,133
TOTAL VALUE OF ALL FISH													..	**40,376**	..	**19,613**
Fish used for Manure (included above)													..	..	..	..
,, ,, Bait (,,)													..	..	10	3

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Loch Carron and Skye** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	16,197	19,427	37,448	32,314	19,782	11,918	73,427	63,659	73,427	63,659	71,702	38,309
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	77	74	2,143	760	607	241	2,827	1,075	2,827	1,075	5,310	1,664
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	16,274	19,501	39,591	33,074	20,389	12,159	76,254	64,734	76,254	64,734	77,012	39,973
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	7	6	68	53	1,223	1,033	1,298	1,092	..	..	96	82	30	33	126	115	1,424	1,207	1,818	1,163
Ling	..	..	1	1	8	8	205	143	214	152	..	..	18	20	..	..	18	20	232	172	238	163
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	5
Saithe (Coal Fish)	..	..	40	45	79	58	534	241	653	344	..	..	261	135	40	36	301	171	954	515	4,648	1,806
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	2	3	..	..	561	481	563	484	..	..	..	..	..	..	..	..	563	484	614	407
„ Small																						

Whitings	..	..	..	..	..	..	42	39	42	39	..	..	..	..	..	..	..	..	42	39	98	73
Conger Eels	..	..	3	2	35	27	558	512	596	541	..	..	..	..	..	..	..	..	596	541	860	589
Gurnards	..	..	..	..	..	..	2	1	2	1	..	..	..	..	..	..	..	..	2	1	105	41
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	4	9	..	..	4	9	6	13	1,549	3,356	61	174	1,616	3,543	1,620	3,552	1,640	3,428
Total of Round Fish	..	..	53	57	194	155	3,125	2,450	3,372	2,662	6	13	1,924	3,593	131	243	2,061	3,849	5,433	6,511	10,031	7,669
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	80
Halibut	..	..	1	3	1	3	1	2	3	8	..	..	..	..	..	..	..	..	3	8	31	105
Lemon Soles	..	..	..	..	..	..	7	7	7	7	..	..	4	10	..	..	4	10	11	17	65	95
Flounders	..	..	..	..	..	..	61	55	61	55	..	..	..	..	..	..	..	..	61	55	155	101
Plaice, Large / „ Medium / „ Small	..	..	..	..	..	..	84	83	84	83	..	..	93	237	..	..	93	237	177	320	327	320
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	7
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	1	1	2	2
Total of Flat Fish	..	..	1	3	1	3	153	147	155	153	..	..	98	248	..	..	98	248	253	401	605	710
Skates and Rays	..	..	..	..	17	8	198	120	215	128	..	..	103	57	..	..	103	57	318	185	400	201
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	3	1	2	1	329	227	334	229	..	..	590	601	80	71	670	672	1,004	901	436	203
GRAND TOTALS	..	..	57	61	214	167	3,805	2,944	4,076	3,172	16,280	19,514	42,306	37,573	20,600	12,473	79,186	69,560	83,262	72,732	88,484	48,756

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	73,126	4,027	..	..	..	..	..	..	3,960	1,252	..	5,279	..	5,760
TOTAL VALUE OF ALL FISH													..	**78,011**	..	**54,516**
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („)													..	..	..	..

APPENDIX B.—No. II.—Return respecting Vessels arriving and Fish landed in the District of **Fort-William** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		.		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	70,750	71,445	69,389	66,561	11,149	7,646	151,288	145,652	151,288	145,652	191,640	137,996
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	1,596	750	2,359	820	411	130	4,366	1,700	4,366	1,700	10,214	2,976
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	72,346	72,195	71,748	67,381	11,560	7,776	155,654	147,352	155,654	147,352	201,854	140,972
DEMERSAL FISH—																						
Round.																						
Cod	..	..	899	912	1,194	867	454	318	2,547	2,097	..	..	552	441	470	456	1,022	897	3,569	2,994	3,273	1,975
Codling																						
Ling	..	..	305	298	465	382	23	16	793	696	..	..	13	7	5	3	18	10	811	706	1,013	784
Torsk (Tusk)	..	..	30	16	21	12	..	..	51	28	..	..	..	..	..	..	..	..	51	28	74	26
Saithe (Coal Fish)	..	..	654	410	1,086	632	2,927	1,102	4,667	2,144	..	..	215	103	917	456	1,132	559	5,799	2,703	2,477	738
Haddocks, ex. La.																						
,, Large																						
,, Medium	..	..	..	..	404	640	84	81	488	721	..	..	..	..	..	..	..	..	488	721	369	411
,, Small																						

Whitings	..	..	..	..	..	..	39	41	39	41	..	..	..	..	..	..	..	..	39	41	147	128
Conger Eels	..	..	1,265	891	1,796	1,222	233	204	3,294	2,317	..	..	..	..	..	..	..	..	3,294	2,317	6,922	4,023
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	46	73	86	112	5	3	137	188	..	..	..	..	..	..	..	..	137	188	494	715
Total of Round Fish	..	..	3,199	2,600	5,052	3,867	3,765	1,765	12,016	8,232	..	..	780	551	1,392	915	2,172	1,466	14,188	9,698	14,769	8,800
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3
Halibut	..	..	29	106	19	66	1	1	49	173	..	..	..	..	..	..	..	..	49	173	91	253
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
Plaice, Large „ Medium „ Small	..	..	..	..	70	153	149	210	219	363	..	..	78	188	9	18	87	206	306	569	216	301
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	29	106	89	219	150	211	268	536	..	..	78	188	9	18	87	206	355	742	310	559
Skates and Rays	..	..	1,114	831	1,517	1,050	312	165	2,943	2,046	..	..	19	12	17	9	36	21	2,979	2,067	8,209	4,183
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	105	20	163	32	6	1	274	53	180	65	142	51	..	..	322	116	596	169	376	80
GRAND TOTALS	..	..	4,447	3,557	6,821	5,168	4,233	2,142	15,501	10,867	72,526	72,260	72,767	68,183	12,978	8,718	158,271	149,161	173,772	160,028	225,518	154,594

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	36,164	1,731	15,270	88	..	..	..	..	2,671	765	..	2,584	..	2,927
TOTAL VALUE OF ALL FISH													..	162,612	..	157,521
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of Campbeltown during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	62,720	46,243	1,638	810	64,358	47,053	64,358	47,053	21,096	9,708
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	7,530	2,452	154	53	7,684	2,505	7,684	2,505	6,128	1,006
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	70,250	48,695	1,792	863	72,042	49,558	72,042	49,558	27,224	10,714
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	825	576	606	377	1,431	953	..	..	23	45	19	36	42	81	1,473	1,034	2,870	1,630
Ling	..	..	..	..	45	41	..	..	45	41	..	..	..	..	..	..	..	..	45	41	175	106
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	11	4	273	52	284	56	..	..	222	146	85	123	307	269	591	325	911	222
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	1	1	2	3	3	4	..	..	..	..	..	..	..	..	3	4	5	7
„ Small																						

Whitings	..	..	..	..	..	..	38	37	38	37	..	..	1	3	..	..	1	3	39	40	465	768
Conger Eels	..	..	..	..	23	26	..	..	23	26	..	..	..	..	..	..	..	..	23	26	192	120
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	11	13	..	..	11	13	..	..	..	..	..	..	..	..	11	13	45	58
Total of Round Fish	..	..	..	..	916	661	919	469	1,835	1,130	..	..	246	194	104	159	350	353	2,185	1,483	4,663	2,911
FLAT.																						
Turbot	..	..	..	..	1	3	..	..	1	3	..	..	..	..	..	..	..	..	1	3	13	41
Halibut	..	..	..	..	5	18	..	..	5	18	..	..	..	..	..	..	..	..	5	18	4	10
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	1	7	..	..	1	7	1	7	2	2
Flounders	..	..	..	..	..	..	7	9	7	9	..	..	..	..	..	..	..	..	7	9	..	..
Plaice, Large / „ Medium / „ Small	..	..	..	..	..	..	4	5	4	5	..	..	72	327	31	130	103	457	107	462	336	854
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	6	21	11	14	17	35	..	..	73	334	33	132	106	466	123	501	355	907
Skates and Rays	..	..	..	..	171	172	43	19	214	191	..	..	11	7	8	6	19	13	233	204	461	334
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	4	1	..	..	4	1	..	..	..	..	..	..	..	..	4	1	47	26
GRAND TOTALS	..	..	..	..	1,097	855	973	502	2,070	1,357	..	..	70,580	49,230	1,937	1,160	72,517	50,390	74,587	51,747	32,750	14,892

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	24,662	1,237	1,567	14	80	12	..	..	1,497	292	..	1,555	..	2,147
TOTAL VALUE OF ALL FISH													..	**53,302**	..	**17,039**
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Inveraray** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port . . .	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings . .	..	..	..	..	..	..	..	..	..	..	..	..	2,039	1,455	537	461	2,576	1,916	2,576	1,916	13,399	5,757
Sprats . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel . .	..	..	..	..	..	..	..	..	..	..	..	..	734	257	505	122	1,239	379	1,239	379	12,663	2,683
Total of Pelagic Fish .	..	..	..	..	..	..	..	..	..	..	..	..	2,773	1,712	1,042	583	3,815	2,295	3,815	2,295	26,062	8,440
DEMERSAL FISH—																						
ROUND.																						
Cod . .	..	..	..	..	..	..	154	157	154	157	..	..	9	14	72	68	81	82	235	239	558	524
Codling . .																						
Ling . .	..	..	..	..	..	..	4	4	4	4	..	..	..	..	..	..	..	..	4	4	41	43
Torsk (Tusk) . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish) .	..	..	..	..	..	..	209	80	209	80	..	..	..	..	676	348	676	348	885	428	1,149	325
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	..	..	4	7	4	7	..	..	..	..	..	..	..	..	4	7	16	19
„ Small																						

Whitings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Conger Eels	..	..	..	..	..	..	2	2	2	2	..	..	..	..	..	..	..	..	2	2	52	34
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish	..	..	..	..	..	..	373	250	373	250	..	..	9	14	748	416	757	430	1,130	680	1,816	945
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plaice, Large, Medium, Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	7	3	7	3	7	37	81
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	7	3	7	3	7	37	81
Skates and Rays	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	160	58
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3
GRAND TOTALS	..	..	..	..	..	..	373	250	373	250	..	..	2,782	1,726	1,793	1,006	4,575	2,732	4,948	2,982	28,080	9,527

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	8,396	33	9,593	446	..	..	..	..	..	..	179	25	..	504	..	824
TOTAL VALUE OF ALL FISH													..	3,486	..	10,351
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Rothesay** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								**1916.** Total Quantity and Value.		**1915.** Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port . . .	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings . .	..	..	..	..	..	..	..	..	..	..	..	..	37,496	25,844	3,475	2,112	40,971	27,956	40,971	27,956	7,746	3,201
Sprats . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel . .	..	..	..	..	..	..	..	..	..	..	..	..	2,568	960	1,123	474	3,691	1,434	3,691	1,434	1,955	704
Total of Pelagic Fish .	..	..	..	..	..	..	..	..	..	..	..	..	40,064	26,804	4,598	2,586	44,662	29,390	44,662	29,390	9,701	3,905
DEMERSAL FISH—																						
ROUND.																						
Cod . .	..	..	..	..	120	215	637	946	757	1,161	..	..	200	309	452	534	652	843	1,409	2,004	1,541	1,583
Codling . .																						
Ling . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Torsk (Tusk) .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish) .	..	..	..	..	..	..	572	417	572	417	..	..	239	131	1,958	1,497	2,197	1,628	2,769	2,045	3,537	1,680
Haddocks, ex. La.																						
,, Large																						
,, Medium	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	14
,, Small																						

Whitings	..	..	..	..	..	..	6	6	6	6	..	..	..	..	..	..	..	..	6	6	7	9
Conger Eels	..	..	..	..	115	97	6	10	121	107	..	..	..	..	..	..	..	..	121	107	15	9
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37	40	37	40	37	40	26	27
Total of Round Fish	..	..	..	..	235	312	1,221	1,379	1,456	1,691	..	..	439	440	2,447	2,071	2,886	2,511	4,342	4,202	5,136	3,322
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	..	..	21	41	21	41	..	..	..	..	9	22	9	22	30	63	49	80
Plaice, Large „ Medium „ Small	..	..	..	..	14	29	62	130	76	159	..	..	..	..	..	..	..	..	76	159	414	869
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	14	29	83	171	97	200	..	..	..	..	9	22	9	22	106	222	463	949
Skates and Rays	..	..	..	..	42	32	1	1	43	33	..	..	..	..	..	..	..	..	43	33	19	12
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	291	373	1,305	1,551	1,596	1,924	..	..	40,503	27,244	7,054	4,679	47,557	31,923	49,153	33,847	15,319	8,188

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	..	..	2,418	173	..	..	2,423	240	..	..	1,784	571	..	984	..	583
TOTAL VALUE OF ALL FISH													..	34,831	..	8,771
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Greenock** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Steam.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	38,889	37,584	2,535	2,067	41,424	39,651	41,424	39,651	18,812	7,868
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	..	..	4,071	1,607	1,098	568	5,169	2,175	5,169	2,175	2,326	823
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	..	..	42,960	39,191	3,633	2,635	46,593	41,826	46,593	41,826	21,138	8,691
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	21	33	534	814	555	847	..	..	..	..	38	48	38	48	593	895	917	1,122
Ling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1
Saithe (Coal Fish)	..	..	..	..	..	..	104	52	104	52	..	..	282	266	102	58	384	324	488	376	792	495
Haddocks, ex. La.																						
„ Large																						
„ Medium	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	117	153
„ Small																						

Whitings	..	..	..	..	..	..	32	40	32	40	..	..	..	..	..	..	..	..	32	40	70	91
Conger Eels	..	..	..	..	49	60	10	9	59	69	..	..	..	..	..	..	..	..	59	69	31	27
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	8
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	12	12	12	12	12	3	3
Total of Round Fish	..	..	..	..	70	93	680	915	750	1,008	..	..	282	266	152	118	434	384	1,184	1,392	1,950	1,813
FLAT.																						
Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	11
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	30
Flounders	..	..	..	..	..	..	46	79	46	79	..	..	27	68	73	204	100	272	146	351	267	447
Plaice, Large ,, Medium ,, Small	..	..	..	..	..	..	15	33	15	33	..	..	..	..	3	5	3	5	18	38	53	111
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	..	..	..	..	61	112	61	112	..	..	27	68	76	209	103	277	164	389	338	599
Skates and Rays	..	..	..	..	6	4	2	2	8	6	..	..	..	..	..	..	..	..	8	6	7	4
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAND TOTALS	..	..	..	..	76	97	743	1,029	819	1,126	..	..	43,269	39,525	3,861	2,962	47,130	42,487	47,949	43,613	23,433	11,107

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.			
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£	..	3,688	..	3,307
	..	..	1,600	99	..	..	68,200	3,330	..	..	1,302	259	..	**47,301**	..	**14,414**
TOTAL VALUE OF ALL FISH													..	..	..	..
Fish used for Manure (included above)													..	..	..	..
,, ,, Bait (,, ,,)													..	..	..	..

APPENDIX B.—No. II.—RETURN respecting Vessels arriving and Fish landed in the District of **Ballantrae** during the Year 1916, and showing the catch and value during the previous Year.

Method of Fishing.	Trawls.		Lines.								Nets.								1916. Total Quantity and Value.		1915. Total Quantity and Value.	
	Sail.		Steam.		Motor.		Sail.		Total.		Steam.		Motor.		Sail.		Total.					
No. of Vessels arriving	..		..		..		..		..		..		..		..		..					
Aggregate No. of Days absent from Port	..		..		..		..		..		..		..		..		..					
Description of Fish.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH—	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	..	..	35,842	38,819	628	813	36,470	39,632	36,470	39,632	27,136	15,031
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	186	31	186	31	186	14	68
Mackerel	..	..	..	..	44	22	222	126	266	148	..	..	4,816	2,379	461	294	5,277	2,673	5,543	2,821	6,449	2,379
Total of Pelagic Fish	..	..	..	..	44	22	222	126	266	148	..	..	40,658	41,198	1,120	1,293	41,778	42,491	42,044	42,639	33,599	17,478
DEMERSAL FISH—																						
ROUND.																						
Cod, Codling	..	..	..	..	1,691	1,764	1,025	1,214	2,716	2,978	..	..	510	502	621	599	1,131	1,101	3,847	4,079	3,651	2,989
Ling	..	..	..	..	272	331	..	..	272	331	..	..	..	..	..	..	..	..	272	331	147	102
Torsk (Tusk)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saithe (Coal Fish)	..	..	..	..	37	24	..	..	37	24	..	..	45	22	62	35	107	57	144	81	359	180
Haddocks, ex. La.																						
„ Large, „ Medium, „ Small	..	..	..	..	12	17	..	..	12	17	..	..	..	..	..	..	..	..	12	17	75	88

Whitings	..	..	..	..	683	1,105	527	787	1,210	1,892	..	..	..	..	..	..	..	..	1,210	1,892	1,051	1,135
Conger Eels	..	..	..	..	642	847	10	11	652	858	..	..	..	..	..	..	..	..	652	858	1,140	721
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	88	208	1	4	89	212	..	..	18	27	..	..	18	27	107	239	87	97
Total of Round Fish	..	..	..	..	3,425	4,296	1,563	2,016	4,988	6,312	..	..	573	551	683	634	1,256	1,185	6,244	7,497	6,510	5,292
FLAT.																						
Turbot	..	..	..	..	2	9	..	..	2	9	..	..	3	14	20	84	23	98	25	107	44	151
Halibut	..	..	..	..	5	15	..	..	5	15	..	..	..	..	..	..	..	..	5	15	1	3
Lemon Soles	..	..	..	..	1	6	..	..	1	6	..	..	..	..	..	..	..	..	1	6	8	40
Flounders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	583	668	583	668	583	668	245	179
Plaice, Large / „ Medium / „ Small	4,390	6,584	..	..	51	119	122	275	173	394	..	..	649	1,857	231	509	880	2,366	5,443	9,344	3,755	5,866
Brill	..	..	..	..	..	..	1	3	1	3	..	..	..	..	..	..	..	..	1	3	1	2
Dabs	..	..	..	..	25	32	..	..	25	32	..	..	26	43	2	4	28	47	53	79	14	14
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	109	221
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	50	40	..	..	50	40	50	40	..	..
Total of Flat Fish	4,390	6,584	..	..	84	181	123	278	207	459	..	..	728	1,954	836	1,265	1,564	3,219	6,161	10,262	4 177	6,476
Skates and Rays	321	166	..	..	1,192	1,222	941	753	2,133	1,975	..	..	66	67	263	259	329	326	2,783	2,467	3,107	2,025
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	11	11	5	3	16	14	..	..	20	7	..	..	20	7	36	21	53	58
GRAND TOTALS	4,711	6,750	..	..	4,756	5,732	2,854	3,176	7,610	8,908	..	..	42,045	43,777	2,902	3,451	44,947	47,228	57,268	62,886	47,446	31,329

SHELL-FISH.

	Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.					
	No.	£	No.	£	No.	£	Cwts.	£	Cwts.	£	Cwts.	£				
	325,000	1,294	5,536	276	2,348	12	3,426	439	41	23	4,066	5,363	..	7,407	..	7,025
TOTAL VALUE OF ALL FISH													..	70,293	..	38,354
Fish used for Manure (included above)													..	..	..	..
„ „ Bait („ „)													..	..	..	..

APPENDIX B.—No. II.—FISH LANDED.—STATEMENT of the Total Quantity and Value of the different kinds of White and Shell-Fish landed on the **East Coast of Scotland** during the Year 1916.

DESCRIPTION OF FISH.	TRAWLS.																					
	Steam.*		LINES.								NETS.								1916. Grand Total Quantity and Value.		1915. Grand Total Quantity and Value.	
			Steam.		Motor.		Sail.		TOTAL.		Steam.		Motor.		Sail.		TOTAL.					
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH.	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	637	672	..	..	..	..	..	..	..	..	279,101	183,175	226,671	153,753	242,215	144,414	747,987	481,372	748,624	482,044	100,210	65,913
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,119	3,159	12,119	3,159	12,119	3,159	2,710	1,013
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	222	603	222	603	222	603	496	1,131
Mackerel	1,848	1,706	..	..	49	31	911	629	960	660	3,423	1,134	5,443	2,120	2,995	835	11,861	4,089	14,669	6,455	11,633	6,115
Total of Pelagic Fish	2,485	2,378	..	..	49	31	911	629	960	660	282,524	184,309	232,114	155,873	257,551	149,041	772,189	489,223	775,634	492,261	115,049	74,172
DEMERSAL FISH.																						
(*a*) ROUND.																						
Cod, Codling	193,825	278,880	26,665	44,290	44,943	60,628	36,562	40,980	108,170	145,898	..	..	10,324	11,748	34,729	35,993	45,053	47,741	347,048	472,519	379,359	394,871
Ling	15,515	15,099	15,050	16,180	803	1,123	265	318	16,118	17,621	..	..	..	..	..	..	..	..	31,633	32,720	72,437	54,162
Torsk (Tusk)	311	290	3,491	4,856	..	..	..	..	3,491	4,856	..	..	..	..	..	..	..	..	3,802	5,146	8,120	7,729
Saithe (Coal Fish)	27,756	22,723	3,869	3,048	2,149	1,470	2,743	1,744	8,761	6,262	..	..	10	5	25	11	35	16	36,552	29,001	79,280	39,057
Haddocks, ex. La.																						
,, Large	300,084	470,476	474	753	64,757	118,911	51,522	77,271	116,753	196,935	..	..	..	..	8	10	8	10	416,845	667,421	538,288	586,082
,, Medium																						
,, Small																						
Whitings	78,098	100,419	..	..	16,147	16,428	8,987	7,361	25,134	23,789	..	..	..	..	..	..	..	..	103,232	124,208	106,313	89,448
Conger Eels	65	62	431	372	125	139	197	202	753	713	..	..	1	1	268	786	269	787	1,087	1,562	1,325	1,437
Gurnards	6,779	2,605	..	..	8	4	118	60	126	64	..	..	..	..	..	..	..	..	6,905	2,669	7,463	2,442
Catfish	12,495	8,338	66	45	1,341	1,324	598	545	2,005	1,914	..	..	2	1	2	2	4	3	14,504	10,255	21,658	12,933
Monks (Anglers)	8,837	7,175	..	..	1	2	..	..	1	2	..	..	32	8	..	..	32	8	8,870	7,185	11,213	6,445
Hake	1,854	3,127	3	7	..	..	..	..	3	7	..	..	..	..	..	..	..	..	1,857	3,134	5,452	7,202
Total of Round Fish	645,619	909,194	50,049	69,551	130274	200,029	100,992	128181	281,315	398,061	..	..	10,369	11,763	35,032	36,802	45,401	48,565	972,335	1,355,820	1,230,908	1,201,808

(*b*) FLAT.

Turbot	2,106	10,647	8	28	2	8	..	..	10	36	..	..	..	..	1	4	1	4	2,117	10,687	2,726	11,218
Halibut	3,730	13,605	8,645	34,334	193	728	104	377	8,942	35,439	..	..	1	4	10	29	11	33	12,683	49,077	14,820	51,487
Lemon Soles	16,633	79,450	..	..	80	276	47	156	127	432	..	..	34	193	..	..	34	193	19,704	80,075	26,442	89,120
Flounders	435	762	..	..	85	115	947	1,265	1,032	1,380	..	..	..	..	1,391	1,616	1,391	1,616	2,858	3,758	4,300	3,656
Plaice, Large „ Medium „ Small	19,841	57,062	..	..	1,691	3,996	9,670	18,901	11,361	22,897	..	..	4,551	15,792	1,619	3,462	6,170	19,254	37,372	99,213	29,826	59,092
Brill	44	148	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	44	148	98	257
Dabs	9,304	9,511	..	..	458	660	1,477	1,732	1,935	2,392	..	..	478	673	6	8	484	681	11,723	12,584	12,019	10,211
Whitches	3,340	9,333	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,340	9,333	2,118	4,726
Megrims	2,082	5,845	11	16	..	..	..	..	11	16	..	..	..	..	..	..	..	..	2,093	5,861	8,138	19,782
Total of Flat Fish	60,515	186,363	8,664	34,378	2,509	5,783	12,245	22,431	23,418	62,592	..	..	5,064	16,662	3,027	5,119	8,091	21,781	92,024	270,736	100,487	260,449
Skates and Rays	22,574	13,777	16,813	11,277	1,609	1,069	385	264	18,807	12,610	..	..	545	220	229	131	774	351	42,155	26,738	68,165	34,169
Squids	49	101	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49	101	350	227
Unclassified kinds	2,394	871	1,490	704	116	28	162	141	1,768	873	..	..	1	1	15	15	16	16	4,178	1,760	1,545	870
Total for 1916	733,636	1,112,684	77,016	115,910	134557	206,940	114,695	151946	326,268	474,796	282,524	184,309	248,093	184,519	295,854	191,108	826,471	559,936	1,886,375	2,147,416	..	..
Total for 1915	954,330	1,041,451	128,517	131,598	120238	142,137	164,300	147429	413,055	421,164	16,169	6,552	54,231	41,782	78,719	60,746	149,119	109,080	..	..	1,516,504	1,571,695
Increase in 1916	..	71,233	..	..	14,319	64,803	..	4,517	..	53,632	266,355	177,757	193,862	142,737	217,135	130,362	677,352	450,856	369,871	575,721	..	..
Decrease in 1916	220,694	..	51,501	15,688	..	..	49,605	..	86,787	..	..	..	..	..	..	..	..	..	..	..	..	..	..

SHELL-FISH.

Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.	
No.	£	No.	£	No.	£	Cwt.	£	Cwt.	£	Cwt.	£
19,400	56	106,511	5,229	1,295,050	12,352	84,631	4,954	3,700	605	6,760	1,510

	£
Total Value of Shell-Fish for 1916 ..	24,706
„ „ 1915 ..	21,965
Increase in 1916	2,741

Grand Total Value of Fish and Shell-Fish for 1916, £2,172,122
„ „ „ 1915, 1,593,660
Increase in 1916, £578,462

* Included for year 1916 are 112 cwts., value £457, landed by motor trawlers in Aberdeen District.

APPENDIX B.—No. II.—FISH LANDED.—STATEMENT of the Total Quantity and Value of the different kinds of White and Shell-Fish landed in **Orkney and Shetland** during the Year 1916.

DESCRIPTION OF FISH.	TRAWLS. Steam.		LINES. Steam.		LINES. Motor.		LINES. Sail.		LINES. TOTAL.		NETS. Steam.		NETS. Motor.		NETS. Sail.		NETS. TOTAL.		1916. Grand Total Quantity and Value.		1915. Grand Total Quantity and Value.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH.	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	166,133	80,917	33,039	15,413	271,526	120,879	470,698	217,209	470,698	217,209	92,048	54,548
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mackerel	..	..	..	..	..	..	..	..	..	..	2,124	536	81	19	416	96	2,621	651	2,621	651	1,879	320
Total of Pelagic Fish	..	..	..	..	..	..	..	..	..	..	168,257	81,453	33,120	15,432	271,942	120,975	473,319	217,860	473,319	217,860	93,927	54,868
DEMERSAL FISH.																						
(*a*) ROUND.																						
Cod, Codling	..	..	941	569	2,308	2,528	8,537	9,491	11,786	12,588	..	..	..	..	..	..	..	..	11,786	12,588	8,463	7,259
Ling	..	..	208	107	77	35	538	289	823	431	..	..	..	..	..	..	..	..	823	431	1,794	789
Torsk (Tusk)	..	..	76	18	19	5	233	117	328	140	..	..	..	..	..	..	..	..	328	140	627	208
Saithe (Coal Fish)	..	..	5,271	1,289	2,155	488	19,483	6,298	26,909	8,075	..	..	..	..	4,554	203	4,554	203	31,463	8,278	21,536	4,080
Haddocks, ex. La.																						
,, Large																						
,, Medium	..	..	..	..	7,389	11,074	8,576	9,414	15,965	20,488	..	..	..	..	..	..	..	..	15,965	20,488	11,543	11,068
,, Small																						
Whitings	..	..	..	..	..	..	1,842	1,244	1,842	1,244	..	..	..	..	..	..	..	..	1,842	1,244	4,141	2,485
Conger Eels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gurnards	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hake	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Round Fish		..	6,496	1,983	11,948	14,130	39,209	26,853	57,653	42,966	..	..	..	..	4,554	203	4,554	203	62,207	43,169	48,104	25,889

(b) FLAT.

Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halibut	..	..	11	44	16	62	306	1,145	333	1,251	..	..	..	..	..	..	..	..	333	1,251	673	2,007
Lemon Soles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flounders	..	..	..	..	1	3	49	166	50	169	..	..	..	..	..	..	..	..	50	169	25	36
Plaice, Large	..	..	..	..	..	..	55	91	55	91	..	..	..	..	..	..	..	..	55	91	51	35
„ Medium																						
„ Small																						
Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dabs	..	..	..	..	..	..	149	118	149	118	..	..	..	..	..	..	..	..	149	118	221	155
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Flat Fish	..	..	11	44	17	65	559	1,520	587	1,629	..	..	..	..	..	..	..	..	587	1,629	970	2,233
Skates and Rays	..	..	36	11	44	21	494	262	574	294	..	..	..	..	..	..	..	..	574	294	1,272	367
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total for 1916	..	..	6,543	2,038	12,009	14,216	40,262	28,635	58,814	44,889	168,257	81,453	33,120	15,432	276,496	121,178	477,833	218,063	536,687	282,952	..	..
Total for 1915	..	..	5,491	2,244	7,088	8,182	27,848	17,414	40,427	27,840	79,359	45,681	8,338	5,444	16,149	4,362	103,846	55,517	..	..	144,273	83,357
Increase in 1916	..	..	1,052	..	4,921	6,034	12,414	11,221	18,387	17,049	88,898	35,772	24,782	9,988	260,347	116,786	374,027	162,546	392,414	179,595	..	..
Decrease in 1916	..	..	..	206	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

SHELL-FISH.

Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.	
No.	£	No.	£	No.	£	Cwt.	£	Cwt.	£	Cwt.	£
8,300	48	58,350	3,318	55,000	476	1,525	74	..	..	761	151

	£
Total Value of Shell-Fish for 1916	4,067
„ „ 1915	4,459
Decrease in 1916	392

Grand Total Value of Fish and Shell-Fish for 1916, £267,019
„ „ „ 1915, 87,816
Increase in 1916, £179,203

APPENDIX B.—No. II.—FISH LANDED.—STATEMENT of the Total Quantity and Value of the different kinds of White and Shell-Fish landed on the **West Coast of Scotland** during the Year 1916.

DESCRIPTION OF FISH.	TRAWLS.		LINES.								NETS.								1916. Grand Total Quantity and Value.		1915. Grand Total Quantity and Value.	
	Steam.*		Steam.		Motor.		Sail.		TOTAL.		Steam.		Motor.		Sail.		TOTAL.					
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH.	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	..	..	..	..	..	..	..	..	..	..	360,794	276,175	345,455	283,413	160,606	86,768	866,855	651,356	866,855	651,356	510,838	321,519
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	186	31	186	31	186	14	68
Mackerel	..	..	..	..	44	22	222	126	266	148	4,650	1,630	25,353	9,423	7,532	2,250	37,535	13,303	37,801	13,451	59,217	14,827
Total of Pelagic Fish	..	..	..	..	44	22	222	126	266	148	365,444	277,805	370,808	297,836	168,169	89,204	904,421	664,845	904,687	664,993	570,069	336,414
DEMERSAL FISH.																						
(a) ROUND.																						
Cod, Codling	..	..	2,576	2,906	4,189	3,758	9,404	7,824	16,169	14,488	..	..	1,815	1,704	4,606	3,734	6,421	5,438	22,590	19,926	21,425	14,588
Ling	..	..	334	343	795	770	2,056	1,898	3,185	3,011	..	..	31	27	42	22	73	49	3,258	3,060	3,367	2,371
Torsk (Tusk)	..	..	30	16	21	12	176	131	227	159	..	..	..	..	..	..	..	..	227	159	192	82
Saithe (Coal Fish)	..	..	4,396	2,488	1,567	925	8,413	2,928	14,376	6,341	..	..	1,500	905	4,636	2,872	6,136	3,777	20,512	10,118	19,221	6,547
Haddocks, ex. La. Large, „ Medium, „ Small	..	..	2	3	417	658	7,549	6,300	7,968	6,961	..	..	..	..	..	..	..	..	7,968	6,961	4,686	3,066
Whitings	..	..	..	..	683	1,105	943	1,115	1,626	2,220	..	..	1	3	..	..	1	3	1,627	2,223	2,157	2,369
Conger Eels	..	..	1,268	893	2,660	2,279	1,474	1,258	5,402	4,430	..	..	..	..	..	..	..	..	5,402	4,430	10,477	6,246
Gurnards	..	..	..	..	..	..	442	366	442	366	..	..	..	..	..	..	..	..	442	366	522	241
Catfish	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	8
Monks (Anglers)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1
Hake	..	..	46	73	189	342	7	9	242	424	6	13	1,567	3,383	112	228	1,685	3,624	1,927	4,048	2,325	4,366
Total of Round Fish	..	..	8,652	6,722	10,521	9,849	30,464	21,829	49,637	38,400	6	13	4,914	6,022	9,396	6,856	14,316	12,891	63,953	51,291	64,388	39,885

(b) FLAT.																						
Turbot	..	..	..	..	3	12	..	..	3	12	..	..	3	14	20	84	23	98	26	110	76	275
Halibut	..	..	30	109	30	102	337	484	397	695	..	..	1	2	2	4	3	6	400	701	278	624
Lemon Soles	..	..	..	..	1	6	7	7	8	13	..	..	5	17	..	..	5	17	13	30	90	168
Flounders	..	..	..	..	..	..	585	470	585	470	..	..	27	68	665	894	692	962	1,277	1,432	1,410	1,217
Plaice, Large, Medium, Small	4,390	6,584	..	..	135	301	741	1,123	876	1,424	..	..	896	2,615	301	689	1,197	3,304	6,463	11,312	5,608	8,720
Brill	..	..	..	..	..	..	1	3	1	3	..	..	..	..	..	..	..	..	1	3	1	2
Dabs	..	..	..	..	25	32	..	..	25	32	..	..	26	43	4	6	30	49	55	81	21	21
Whitches	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	109	221
Megrims	..	..	..	..	..	..	..	..	..	..	..	..	51	41	..	..	51	41	51	41	2	2
Total of Flat Fish	4,390	6,584	30	109	194	453	1,671	2,087	1,895	2,649	..	..	1,009	2,800	992	1,677	2,001	4,477	8,286	13,710	7,595	11,250
Skates and Rays	321	166	1,114	831	2,945	2,488	3,074	1,782	7,133	5,101	..	..	199	143	288	274	487	417	7,941	5,694	13,594	7,282
Squids	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified kinds	..	..	108	21	180	45	2,801	768	3,089	834	180	65	752	659	80	71	1,012	795	4,101	1,629	2,586	845
Total for 1916	4,711	6,750	9,904	7,683	13,884	12,857	38,232	26,592	62,020	47,132	365,630	277,883	377,682	307,460	178,925	98,082	922,237	683,425	988,968	737,307	..	..
Total for 1915	2,945	3,779	13,254	7,959	17,719	11,797	33,196	18,685	64,169	38,441	249,678	160,940	205,868	117,475	135,572	75,041	591,118	353,456	..	..	658,232	395,676
Increase in 1916	1,766	2,971	..	..	..	1,060	5,036	7,907	..	8,691	115,952	116,943	171,814	189,985	43,353	23,041	331,119	329,969	330,736	341,631	..	..
Decrease in 1916	..	..	3,350	276	3,835	..	..	..	2,149	..	..	..	..	..	..	..	..	..	..	..	..	..

SHELL-FISH.

Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.	
No.	£	No.	£	No.	£	Cwt.	£	Cwt.	£	Cwt.	£
333,396	1,327	288,608	15,469	24,785	142	74,715	4,059	41	23	17,180	9,082

	£
Total Value of Shell-Fish for 1916 ..	30,102
" " 1915 ..	31,870
Decrease in 1916	1,768

Grand Total Value of Fish and Shell-Fish for 1916, £767,409
" " " 1915, 427,546

Increase in 1916, £339,863

* Total landing in 1916 made by sailing trawlers in Ballantrae District.

APPENDIX B.—No. II.—FISH LANDED.—STATEMENT of the Total Quantity and Value of the different kinds of White and Shell-Fish landed in **Scotland** during the Year 1916.

DESCRIPTION OF FISH.	TRAWLS. Steam.*		LINES. Steam.		LINES. Motor.		LINES. Sail.		LINES. TOTAL.		NETS. Steam.		NETS. Motor.		NETS. Sail.		NETS. TOTAL.		1916. Grand Total Quantity and Value.		1915. Grand Total Quantity and Value.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
PELAGIC FISH.	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£	Cwt.	£
Herrings	637	672	..	..	..	..	..	..	..	..	806,028	540,267	605,165	457,579	674,347	352,091	2,085,540	1,349,937	2,086,177	1,350,609	703,096	441,980
Sprats	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,119	3,159	12,119	3,159	12,119	3,159	2,710	1,013
Sparlings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	253	789	253	789	253	789	510	1,199
Mackerel	1,848	1,706	..	..	93	53	1,133	755	1,226	808	10,197	3,300	30,877	11,562	10,943	3,181	52,017	18,043	55,091	20,557	72,728	21,262
Total of Pelagic Fish	2,485	2,378	..	..	93	53	1,133	755	1,226	808	816,225	543,567	636,042	469,141	697,662	359,220	2,149,929	1,371,928	2,153,640	1,375,114	779,045	465,454
DEMERSAL FISH.																						
(*a*) ROUND.																						
Cod, Codling, Ling	193,825	278,880	30,182	47,765	51,440	66,914	54,503	58,295	136,125	172,974	..	..	12,139	13,452	39,335	39,727	51,474	53,179	381,424	505,033	409,448	416,938
Torsk (Tusk)	15,515	15,099	15,592	16,630	1,675	1,928	2,859	2,505	20,126	21,063	..	..	31	27	42	22	73	49	35,714	36,211	77,600	57,324
Saithe (Coal Fish)	311	290	3,597	4,890	40	17	409	248	4,046	5,155	..	..	..	..	..	..	..	..	4,357	5,445	8,941	8,021
Haddocks, ex. La.	27,756	22,723	13,536	6,825	5,871	2,883	30,639	10,970	50,046	20,678	..	..	1,510	910	9,215	3,086	10,725	3,996	88,527	47,397	120,089	49,728
,, Large, ,, Medium, ,, Small	300,084	470,476	476	756	72,563	130643	67,647	92,985	140,686	224,384	..	..	..	..	8	10	8	10	440,778	694,870	554,621	600,351
Whitings	78,098	100,419	..	..	16,830	17,533	11,772	9,720	28,602	27,253	..	..	1	3	..	..	1	3	106,701	127,675	112,613	94,305
Conger Eels	65	62	1,699	1,265	2,785	2,418	1,671	1,460	6,155	5,143	..	..	1	1	263	786	269	787	6,489	5,992	11,802	7,683
Gurnards	6,779	2,605	..	..	8	4	560	426	568	430	..	..	..	..	..	..	..	..	7,347	3,035	7,985	2,683
Catfish	12,495	8,338	66	45	1,341	1,324	598	545	2,005	1,914	..	..	2	1	2	2	4	3	14,504	10,255	21,682	12,947
Monks (Anglers)	8,837	7,175	..	..	1	2	..	..	1	2	..	..	32	8	..	..	32	8	8,870	7,185	11,215	6,446
Hake	1,854	3,127	49	80	189	342	7	9	245	431	6	13	1,567	3,383	112	228	1,685	3,624	3,784	7,182	7,777	11,568
Total of Round Fish	645,619	909,194	65,197	78,256	152743	224008	170,665	177,163	388,605	479,427	6	13	15,283	17,785	48,932	43,861	64,271	61,659	1,098,495	1,450,280	1,343,773	1,267,994

(*b*) FLAT.																						
Turbot	2,106	10,647	8	28	5	20	..	..	13	48	..	..	3	14	21	88	24	102	2,143	10,797	2,802	11,493
Halibut	3,730	13,605	8,686	34,487	239	892	747	2,006	9,672	37,385	..	..	2	6	12	33	14	39	13,416	51,029	15,774	54,125
Lemon Soles	19,633	79,450	..	..	81	282	54	163	135	445	..	..	39	210	..	..	39	210	19,807	80,105	26,536	99,311
Flounders	435	762	..	..	86	118	1,581	1,901	1,667	2,019	..	..	27	68	2,056	2,510	2,083	2,578	4,185	5,359	5,735	4,909
Plaice, Large " Medium " Small	24,231	63,646	..	..	1,826	4,297	10,466	20,115	12,292	24,412	..	..	5,447	18,407	1,920	4,151	7,367	22,558	43,890	110,616	35,485	68,747
Brill	44	148	..	..	..	..	1	3	1	3	..	..	..	..	..	..	..	..	45	151	99	259
Dabs	9,304	9,511	..	..	483	692	1,626	1,850	2,109	2,542	..	..	504	716	10	14	514	730	11,927	12,783	12,262	10,388
Whitches	3,340	9,333	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,340	9,333	2,227	4,947
Megrims	2,082	5,845	11	16	..	..	..	..	11	16	..	..	51	41	..	..	51	41	2,144	5,902	8,140	19,784
Total of Flat Fish	64,905	192,947	8,705	34,531	2,720	6,301	14,475	26,038	25,900	66,870	..	..	6,073	19,462	4,019	6,796	10,092	26,258	100,897	286,075	109,060	273,963
Skates and Rays	22,895	13,943	17,963	12,119	4,598	3,578	3,953	2,308	26,514	18,005	..	..	744	363	517	405	1,261	768	50,670	32,716	83,031	41,818
Squids	49	101	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49	101	350	227
Unclassified kinds	2,394	871	1,598	725	296	73	2,963	909	4,857	1,707	180	65	753	660	95	86	1,028	811	8,279	3,389	4,131	1,715
Total for 1916	738,347	1,119,434	93,463	125,631	160450	234013	193,189	207,173	447,102	566,817	816,411	543,645	658,895	507,411	751,275	410,368	2,226,581	1,461,424	3,412,030	3,147,675	..	..
Total for 1915	957,656	1,045,673	147,262	141,801	145045	162116	225,344	183,528	517,651	487,445	345,206	213,173	268,437	164,701	230,440	140,179	844,083	518,053	..	..	2,319,390	2,051,171
Increase in 1916	..	73,761	..	..	15,405	71,897	..	23,645	..	79,372	471,205	330,472	390,458	342,710	520,835	270,189	1,382,493	943,371	1,092,640	1,096,504	..	..
Decrease in 1916	219,309	..	53,799	16,170	..	..	32,155	..	70,549	..	..	..	..	..	..	..	..	..	..	..	..	..

SHELL-FISH.

Oysters.		Lobsters.		Crabs.		Mussels.		Clams.		Unclassified.	
No.	£	No.	£	No.	£	Cwt.	£	Cwt.	£	Cwt.	£
361,096	1,431	453,469	24,016	1,374,835	12,970	160,871	9,087	3,741	628	24,701	10,743

	£
Total Value of Shell-Fish for 1916 ..	58,875
" " 1915 ..	58,294
Increase in 1915	581

Grand Total Value of Fish and Shell-Fish for 1916, £3,206,550
" " " 1915, 2,109,465
Increase in 1916, £1,097,085

* Included for year 1916 are 112 cwts., value £457, landed by motor trawlers in Aberdeen District, and 4,711 cwts., value £6,750, landed by sailing trawlers in Ballantrae District.

APPENDIX C.

FISH USED IN A FRESH STATE.—Table showing the Estimated Quantity of each Species of Fish consumed fresh in Scotland, or dispatched from Scotland in a fresh state, in the Year 1916.

Description of Fish.	1916. Quantity.	1915. Quantity.
	Cwts.	Cwts.
Herrings	442,292	220,255
Sprats	12,119	1,660
Sparlings	253	510
Mackerel	49,595	63,651
Cod and Codlings	313,900	327,644
Ling	26,419	59,045
Torsk (Tusk)	2,323	5,197
Saithe	47,527	45,703
Haddocks	298,722	397,250
Whitings	95,711	80,979
Conger Eels	6,489	11,802
Gurnards	7,347	7,985
Catfish	12,128	21,682
Monks	8,870	11,215
Hake	3,784	7,777
Squids	49	350
Turbot	2,143	2,802
Halibut	13,416	15,774
Lemon Soles	19,807	25,039
Flounders	4,185	5,735
Plaice	43,890	34,832
Brill	45	99
Dabs	11,927	12,262
Whitches and Megrims	5,484	9,713
Skates and Rays	50,670	83,031
Unclassified kinds	8,279	4,131
Total	1,487,374	1,456,123

APPENDIX D.—No. I.

FISH CURED.—RETURN showing the Quantity of each Species of Fish Cured, and the Mode of Cure, in the Year 1916.

No.	DISTRICTS.	HERRINGS.					
		Barrels Gutted.	Barrels Ungutted.	Barrels Kippered.	Barrels of Bloaters or Reds.	Barrels Tinned.	Total Number of Barrels.
	EAST COAST.						
1	Eyemouth	264	164	30,302	537	5,700	36,967
2	Leith	40	..	2,836	400	..	3,276
3	Anstruther	30	..	15	317	..	362
4	Montrose	54	..	48	..	260	362
5	Stonehaven	..	..	..	..	..	..
6	Aberdeen	797	..	12,380	4,899	8,885	26,961
7	Peterhead	41,646	..	30,753	..	1,388	73,787
8	Fraserburgh	80,409	2,121	14,359	25	6,399	103,313
9	Banff	79	..	381	..	..	460
10	Buckie	..	..	..	..	..	..
11	Findhorn	17	..	..	..	..	17
12	Cromarty	..	..	..	..	..	..
13	Helmsdale	110	..	..	..	..	110
14	Lybster	410	..	..	..	..	410
15	Wick	223	..	398	..	..	621
	East Coast Totals carried down	124,079	2,285	91,472	6,178	22,632	246,646
	Orkney and Shetland.						
16	Orkney	..	..	..	..	..	..
17	Shetland	139,951	10,783	11,728	150	..	162,612
	Orkney and Shetland Totals carried down	139,951	10,783	11,728	150	..	162,612
	WEST COAST.						
18	Stornoway	54,512	16,037	32,939	..	..	103,488
19	Barra	5,654	..	..	..	..	5,654
20	Loch Broom	6,925	1,340	..	..	..	8,265
21	Loch Carron and Skye	7,646	..	966	8	..	8,620
22	Fort-William	2,728	..	11,119	..	..	13,847
23	Campbeltown	566	167	160	..	..	893
24	Inveraray	4	..	6	..	..	10
25	Rothesay	4	..	307	7	..	318
26	Greenock	1,477	..	7,627	74	..	9,178
27	Ballantrae	36	..	189	..	..	225
	West Coast Totals carried down	79,552	17,544	53,313	89	..	150,498
	Totals brought down.						
	East Coast	124,079	2,285	91,472	6,178	22,632	246,646
	Orkney and Shetland	139,951	10,783	11,728	150	..	162,612
	West Coast	79,552	17,544	53,313	89	..	150,498
	Grand Totals for 1916	343,582	30,612	156,513	6,417	22,632	559,756
	Grand Totals for 1915	60,436	3,314	82,430	8,986	6,247	161,413
	Increase in 1916	283,146	27,298	74,083	..	16,385	398,343
	Decrease in 1916	..	..	..	2,569	..	..

Note 1.—No vessel was fitted out for curing at sea during the year.

2.—The above figures represent the quantity cured "bungpacked," *i.e.* as finally ready for export. The corresponding equivalents in the "seastick" state, *i.e.* before the herrings have "pined" or settled down in the barrels, will be found in Appendix D. No II.

APPENDIX D.—No. I.—*continued.*

FISH CURED.—RETURN showing the Quantity of each Species of Fish Cured, and the Mode of Cure, in the year 1916.

Species other than Herrings.						
Description of Fish.	Dried.	Smoked.	Pickled.	Tinned	Total 1916.	Total 1915.
	Cwts.	Cwts.	Cwts.	Cwts.	Cwts.	Cwts.
Mackerel .	..	1,462	3,015	206	4,683	4,725
Sprats . .	..	..	..	..	..	563
Cod and Codling	5,161	21,425	273	..	26,859	24,603
Ling . .	2,667	450	..	..	3,117	6,186
Tusk . .	178	500	..	..	678	1,248
Saithe . .	7,340	6,148	..	..	13,488	24,838
Haddocks .	56	73,377	..	..	73,433	78,864
Whitings .	130	5,630	..	..	5,760	15,771
Catfish . .	..	792	..	..	792	..
Total .	15,532	109,784	3,288	206	128,810	156,798

NOTE.—1. In addition to the above there were dried in Scotland 128,397 cwts. of cod, 795 cwts. of ling, 960 cwts. of tusk, 2,452 cwts. of saithe, and 2,304 cwts. of haddocks imported wet-salted, and there were cured in pickle 375 cwts. of mackerel similarly imported—a further total of 135,283 cwts.

2. The figures given above represent the weight after cure.

HERRINGS CURED.—STATEMENT showing the Numbers of *Barrels of Herrings Cured, Gutted and Ungutted, on the East and West Coasts of Scotland, for the Hundred and six years ended 31st December 1916.

Year ended	East Coast (with Orkney and Shetland).			West Coast.			Grand Total.
	Gutted.	Ungutted, Kippered, &c.	Total.	Gutted.	Ungutted, Kippered, &c.	Total.	
6th April 1811	2,008½	6,630	8,638½	62,186	19,110	81,296	89,934½
,, 1812	4,325½	10,332	14,657½	65,922	24,518	90,440	105,097½
,, 1813	9,179	20,950½	30,129½	76,561¾	31,025½	107,587¼	137,716¾
,, 1814	9,503	46,800½	56,303½	37,969	5,773	43,742	100,045½
,, 1815	24,314	36,827	61,141	76,021¼	7,756	83,777¼	144,918¼
,, 1816	55,411½	18,416½	73,828	73,292½	2,578¼	75,870¾	149,698¾
,, 1817	90,710½	26,252½	116,963	60,581½	3,233½	63,815	180,778
,, 1818	118,594¾	8,287¼	126,882	76,765	4,491½	81,256½	208,138½
,, 1819	221,959½	22,158	244,117½	75,197½	6,441	81,638½	325,756
,, 1820	267,556½	27,391½	294,948	72,629½	4,512	77,141½	372,089½
,, 1821	318,473½	23,909¼	342,382¾	88,626½	2,613	91,239½	433,622¼
,, 1822	229,070	12,808¾	241,878¾	56,342½	1,328	57,670½	299,549¼
,, 1823	183,687	15,256¼	198,943¼	34,211	245½	34,456½	233,399¾
,, 1824	272,340½	32,402	304,742½	52,792	802¼	53,594¼	358,336¾
,, 1825	227,667	28,849¾	256,516¾	64,623	593	65,216	321,732¾
,, 1826	289,101	31,703¼	320,804¼	42,602	121	42,723	363,527¼
,, 1827	211,042¾	22,241½	233,284¼	43,231	117	43,348	276,632¼
,, 1828	287,906½	37,882½	325,789	45,632	2,039½	47,671½	373,460½
,, 1829	249,365½	41,047¼	290,412¾	47,525	945	48,470	338,882¾
,, 1830	216,427½	35,226	251,653½	59,494	639	60,133	311,786½
,, 1831	315,479	51,609¾	367,088¾	46,631	855	47,486	414,574¾
5th April 1832	259,197½	36,183½	295,381	49,216¼	3,167	52,383¼	347,764¼
,, 1833	267,928½	45,564¾	313,493¼	77,144	573	77,717	391,210¼

* The figures in this table, so far as relating to pickled herrings, gutted or ungutted, represent the numbers of barrels of "sea-sticks."
Vide Note 2 to Appendix D.—No. I. (p. 75).

APPENDIX D.—No. II.—*continued.*

Year ended	East Coast (with Orkney and Shetland).			West Coast.			Grand Total.
	Gutted.	Ungutted, Kippered, &c.	Total.	Gutted.	Ungutted, Kippered, &c.	Total.	
5th April 1834	315,159	56,374¾	371,533¾	64,427½	137	64,564½	436,098¼
,, 1835	166,539½	33,339½	199,879	45,091½	633	45,724½	245,603½
,, 1836	343,693½	68,891¾	412,585¼	46,554½	479	47,033½	459,618¾
,, 1837	229,371	71,449¼	300,820¼	54,859	1,892½	56,751½	357,571¾
,, 1838	307,625	82,634¾	390,259¾	68,990½	2,374½	71,365	461,624¾
,, 1839	308,581	119,489¾	428,070¾	66,046½	1,672½	67,719	495,789¾
,, 1840	345,074½	103,160	448,234½	54,208½	343	54,551½	502,786
,, 1841	334,539	78,225¼	412,764¼	87,562½	3,402½	90,965	503,729¼
,, 1842	404,502½	116,675½	521,178	78,755½	2,183½	80,939	602,117
,, 1843	376,374	118,755¾	495,129¾	61,568½	1,627	63,195½	558,325¼
,, 1844	384,729	105,927½	490,656½	81,643	4,776	86,419	577,075½
5th January 1845	305,461½	72,649¼	378,110¾	80,836	901	81,737	459,847¾
,, 1846	343,927	82,607½	426,534½	64,056	3,753½	67,809½	494,344
,, 1847	343,009¾	137,296¾	480,306½	67,613	11,263	78,876	559,182½
,, 1848	323,471½	135,479	458,950½	46,636½	9,570	56,206½	515,157
,, 1849	337,450	155,654¼	493,104¼	52,473	6,981	59,454	552,558¼
,, 1850	427,138	152,530	579,668	77,171½	25,029¾	102,201¼	681,869¼
,, 1851	320,493	129,532¾	450,025¾	57,694	21,134	78,828	528,853¾
,, 1852	348,573	109,933	458,506	68,660¼	36,220¾	104,881	563,387
31st December 1852	331,055½	89,355	420,410½	44,623½	13,903	58,526½	478,937
,, 1853	482,017	165,459¼	647,476¼	78,350	28,431½	106,781½	754,257¾
,, 1854	410,332	132,977½	543,309½	48,247½	31,207½	79,455	622,764½
,, 1855	505,481¾	136,687½	642,169¼	77,175½	32,631	109,806½	751,975¾
,, 1856	396,650	92,400½	489,050½	69,755½	32,492½	102,248	591,298½
,, 1857	390,775	59,712½	450,487½	74,447½	25,763½	100,211	550,698½
,, 1858	410,524¾	111,440¾	521,965½	59,868½	23,350	83,218½	605,184
,, 1859	308,518¼	55,584	364,102¼	72,541	20,487	93,028	457,130¼

Year ended	East Coast (with Orkney and Shetland).			West Coast.			Grand Total.
	Gutted.	Ungutted, Kippered, &c.	Total.	Gutted.	Ungutted, Kippered, &c.	Total.	
31st December 1860	424,201½	103,086¼	527,287¾	71,894	37,891½	109,785½	637,073¼
,, 1861	447,931½	97,207	545,138½	71,241½	34,336½	105,578	650,716½
,, 1862	536,602½	88,911	625,513½	119,257½	52,685	171,942½	797,456
,, 1863	445,596½	75,511¾	521,108¼	61,396½	26,810	88,206½	609,314¾
,, 1864	378,752	88,107¾	466,859¾	99,737½	42,889	142,626½	609,486¼
,, 1865	374,424	73,814½	448,238½	95,920½	57,207	153,127½	601,366
,, 1866	398,358	72,420¼	470,778¼	99,396½	74,431	173,827½	644,605¾
,, 1867	492,172¼	81,978½	574,150¾	139,547¼	90,392	229,939¼	804,090
,, 1868	363,922½	62,906	426,828½	81,546	129,886¼	211,432¼	638,260¾
,, 1869	395,500½	61,809¾	457,310¼	93,330½	124,502¼	217,832¾	675,143
,, 1870	508,805½	98,318	607,123½	148,254	77,783	226,037	833,160½
,, 1871	585,172	94,178	679,350	83,317½	62,808¼	146,125¾	825,475¾
,, 1872	623,443½	62,341	685,784½	48,260	39,815	88,075	773,859½
,, 1873	710,376½	96,983½	807,360	86,525½	45,348	131,873½	939,233½
,, 1874	789,345½	77,489¾	866,835¼	97,657.	36,068¾	133,725¾	1,000,561
,, 1875	774,293½	67,729	842,022½	60,529	40,428½	100,957½	942,980
,, 1876	454,164	59,230	513,394	32,074⅓	52,729	84,803½	598,197½
,, 1877	618,116¾	65,529¼	683,646	98,754½	65,318¼	164,072¾	847,718
,, 1878	702,433½	70,927½	773,361	69,122½	63,284½	132,407	905,768
,, 1879	563,754	62,833½	626,587½	92,237	122,971½	215,208½	841,796
,, 1880	1,096,953½	104,151½	1,201,105	127,245	145,250¼	272,495¼	1,473,600¼
,, 1881	830,751½	73,602¼	904,353¾	84,346½	122,455	206,801½	1,111,155¼
,, 1882	879,243½	98,983	978,226½	101,512	203,235	304,747	1,282,973½
,, 1883	960,428½	87,477¼	1,047,905¾	72,658½	148,848¼	221,506¾	1,269,412½
,, 1884	1,323,989½	132,061¼	1,456,050¾	128,223½	112,803	241,026½	1,697,077¼
,, 1885	1,244,259	74,723½	1,318,982½	108,190	145,779¾	253,969¾	1,572,952¼
,, 1886	1,017,152	125,287¾	1,142,439¾	76,211	93,572½	169,783½	1,312,223¼
,, 1887	962,116	127,588	1,089,704	101,937¾	111,782½	213,720¼	1,303,424¼

APPENDIX D.—No. II.—*continued.*

Year ended	East Coast (with Orkney and Shetland).			West Coast.			Grand Total.
	Gutted.	Ungutted, Kippered, &c.	Total.	Gutted.	Ungutted, Kippered, &c.	Total.	
31st December 1888	790,458	82,155¼	872,613¼	116,542	129,717	246,259	1,118,872¼
,, 1889	1,071,686	112,171	1,183,857	105,417	108,233	213,650	1,397,507
,, 1890	1,042,089	81,218½	1,123,307½	142,340½	38,955	181,295½	1,304,603
,, 1891	797,219	61,427	858,646	208,024	59,402	267,426	1,126,072
,, 1892	1,012,452	82,267	1,094,719	125,299	37,924	163,223	1,257,942
,, 1893	1,177,365	110,236	1,287,601	90,977	30,960¼	121,937¼	1,409,538¼
,, 1894	1,312,926	98,783	1,411,709	91,489	14,879	106,368	1,518,077
,, 1895	1,314,225	79,695	1,393,920	114,902	19,312	134,214	1,528,134
,, 1896	1,232,549	101,098	1,333,647	132,234	26,035	158,269	1,491,916
,, 1897	732,454	72,457	804,911	143,319	41,212	184,531	989,442
,, 1898	1,500,533	92,883½	1,593,416½	174,743	37,188	211,931	1,805,347
,, 1899	912,841	71,512	984,353	154,768	36,534	191,302	1,175,655
,, 1900	968,077	98,673	1,066,750	156,522	32,333	188,855	1,255,605
,, 1901	1,334,010	118,173	1,452,183	109,056	44,646	153,702	1,605,885
,, 1902	1,507,138	125,933	1,633,071	123,437	46,651	170,088	1,803,159
,, 1903	1,331,664	138,949	1,470,613	105,654	42,543	148,197	1,618,810
,, 1904	1,737,345	170,510	1,907,855	102,548	52,571	155,119	2,062,974
,, 1905	1,766,734	164,098	1,930,832	112,156	68,613	180,769	2,111,601
,, 1906	1,679,947	166,011	1,845,958	116,343	35,561	151,904	1,997,862
,, 1907	2,181,017	189,892	2,370,909	147,945	59,414	207,359	2,578,268
,, 1908	1,787,835	183,495	1,971,330	163,931	64,808	228,739	2,200,069
,, 1909	1,507,914	180,740	1,688,654	148,410	53,201	201,611	1,890,265
,, 1910	1,934,320	211,236	2,145,556	145,628	37,690	183,318	2,328,874
,, 1911	1,667,432	207,335	1,874,767	139,272	32,708	171,980	2,046,747
,, 1912	1,660,972	178,116	1,839,088	148,414	34,945	183,359	2,022,447
,, 1913	1,407,323	172,591	1,579,914	253,804	52,878	306,682	1,886,596
,, 1914	1,176,361	185,854	1,362,215	185,925	66,387	252,312	1,614,527
,, 1915	28,597	61,502	90,099	44,852	40,518	85,370	175,469
,, 1916	322,398	149,043	471,441	89,709	72,847	162,556	633,997

APPENDIX E.—No. II.

FISH EXPORTED.—RETURN showing the Total Quantity of Fish Exported to England, Ireland, the Continent, and Places out of Europe during the Year 1916.

I.—HERRINGS.

Description of Fish.	Where Sent.					
	England.	Ireland.	The Continent.	Places out of Europe.	Total 1916.	Total 1915.
Scottish Cured Herrings.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.
Branded	..	..	..	..	..	7,991
Unbranded	6,490	1,192	312,719	46,281	366,682	111,274
Total Number of Barrels of Cured Herrings exported	6,490	1,192	312,719	46,281	366,682	119,265
Herrings Sprinkled or Iced	..	..	..	..	..	..
Grand Totals for 1916	6,490	1,192	312,719	46,281	366,682	..
Grand Totals for 1915	8,916	1,659	63,305	45,385	..	119,265
Increase in 1916	..	..	249,414	896	247,417	..
Decrease in 1916	2,426	467	..	..	..	..

II.—KINDS OTHER THAN HERRINGS.

Cod, Ling, &c., dried, cwts.	..	11,113	31,422	11,482	54,017	49,822
Do. pickled, brls	44	..	..	..	44	32
Mackerel, „ „	47	..	..	914	961	689
Sprats, „ „	..	..	..	..	..	860

Note.—In addition to the above, there were exported, *via* Glasgow, 19,030 barrels of Irish, and 451 of Manx herrings to America, and 20,498 cwts. of preserved fish (principally dried cod and tinned herrings), 15,736 cwts. to America, 4,376 to Australia, and 386 to Ireland.

APPENDIX F.—

PERSONS EMPLOYED.—RETURN showing the Total Number of branches of the Sea Fisheries

No.	DISTRICTS.	Fishermen and Boys (resident and non-resident).	Fishmongers.	Hawkers of Herring and other Fish.	Fishcurers.	Coopers.	Gutters and Packers.	Clerks.	Carters and Labourers.	Persons gathering Bait and Baiting Lines.
	EAST COAST.									
1	Eyemouth	284	1	8	15	28	229	1	29	30
2	Leith	1,028	603	128	7	12	120	39	30	40
3	Anstruther	761	15	14	18	7	45	1	3	97
4	Montrose	563	152	132	21	12	24	12	61	452
5	Stonehaven	163	4	34	6	2	22	3	8	56
6	Aberdeen	1,407	258	254	166	42	1,040	320	1,871	49
7	Peterhead	592	10	52	51	127	850	20	181	120
8	Fraserburgh	974	2	8	50	116	911	14	243	24
9	Banff	612	1	33	20	6	111	1	14	75
10	Buckie	1,056	2	50	6	20	75	12	4	..
11	Findhorn	415	18	80	15	6	51	3	20	..
12	Cromarty	230	..	20	4	..	..	..	2	..
13	Helmsdale	170	..	14	9	..	..	2	6	32
14	Lybster	94	..	4	1	1	3	..	2	..
15	Wick	335	12	30	30	42	120	18	88	..
	East Coast Totals carried down	8,684	1,078	861	419	421	3,601	446	2,562	975
	Orkney and Shetland.									
16	Orkney	920	4	5	4	..	6	..	4	20
17	Shetland	1,242	..	3	28	37	443	4	78	55
	Orkney and Shetland Totals carried down	2,162	4	8	32	37	449	4	82	75
	WEST COAST.									
18	Stornoway	740	15	38	16	53	698	10	86	..
19	Barra	420	..	..	6	1	153	..	17	..
20	Loch Broom	309	2	10	12	1	67	1	15	16
21	Loch Carron and Skye	624	..	..	18	14	81	1	15	180
22	Fort-William	224	11	11	6	3	30	1	..	38
23	Campbeltown	360	4	6	14	1	10	..	4	10
24	Inveraray	298	4	6	8	..	12	..	4	..
25	Rothesay	96	22	18	2	..	8	2	4	..
26	Greenock	161	645	902	26	14	80	100	173	28
27	Ballantrae	314	53	89	7	..	..	12	58	..
	West Coast Totals carried down	3,546	756	1,080	115	87	1,139	127	376	272
	Totals brought down.									
	East Coast	8,684	1,078	861	419	421	3,601	446	2,562	975
	Orkney and Shetland	2,162	4	8	32	37	449	4	82	75
	West Coast	3,546	756	1,080	115	87	1,139	127	376	272
	Grand Totals for 1916	14,392	1,838	1,949	566	545	5,189	577	3,020	1,322
	Grand Totals for 1915	15,244	1,916	2,467	526	630	3,546	632	2,757	1,382
	Increase in 1916	..	..	..	40	..	1,643	..	263	..
	Decrease in 1916	852	78	518	..	85	..	55	..	60

No. I.

Persons employed in each District in connection with the various during the Year 1916.

Boxmakers.	Boat Builders.	Basketmakers.	Persons making and mending Nets.	Persons manufacturing Barrel Staves.	Persons employed on board Vessels Curing, Exporting, and Carrying Herrings and other Fish.		Persons employed on board Vessels Importing Salt, Stave Wood, and Hoops.		Other Occupations.	Total Persons employed.	DISTRICTS.
					British.	Foreign.	British.	Foreign.			
											EAST COAST.
..	11	..	17	..	..	..	..	..	..	653	Eyemouth.
30	50	15	400	10	60	120	46	16	78	2,832	Leith.
..	9	..	170	4	..	..	..	..	..	1,144	Anstruther.
6	31	6	9	10	..	..	18	7	26	1,542	Montrose.
..	2	..	10	..	..	..	..	..	..	310	Stonehaven.
114	1,701	12	200	34	101	78	18	34	..	7,699	Aberdeen.
8	27	..	60	6	135	50	..	30	..	2,319	Peterhead.
12	16	2	8	4	107	307	9	27	..	2,834	Fraserburgh.
..	47	..	..	..	..	..	..	..	..	920	Banff.
..	17	..	20	..	..	..	..	..	..	1,262	Buckie.
..	6	..	40	..	..	..	..	..	..	654	Findhorn.
..	3	..	..	..	..	..	..	..	..	259	Cromarty.
..	1	..	4	..	..	..	..	..	..	238	Helmsdale.
..	1	..	..	..	..	..	..	..	..	106	Lybster.
..	12	..	10	..	17	..	..	..	..	714	Wick.
170	1,934	35	948	68	420	555	91	114	104	23,486	East Coast Totals carried down.
											Orkney and Shetland.
..	16	..	..	..	..	..	..	..	..	979	Orkney.
..	20	..	25	4	398	324	138	12	24	2,835	Shetland.
..	36	..	25	4	398	324	138	12	24	3,814	Orkney and Shetland Totals carried down.
											WEST COAST.
2	19	..	46	..	408	70	51	15	4	2,271	Stornoway.
..	..	..	..	..	22	..	10	..	..	629	Barra.
..	8	..	3	..	103	..	..	..	..	547	Loch Broom.
..	19	7	..	..	164	..	..	..	..	1,123	Loch Carron and Skye
..	2	..	..	..	104	..	7	..	..	437	Fort-William.
..	4	..	10	..	50	..	..	..	..	473	Campbeltown.
..	9	..	..	..	35	..	..	..	..	376	Inveraray.
..	8	..	..	..	86	..	..	..	..	246	Rothesay.
8	5	1	450	..	391	..	14	..	26	3,024	Greenock.
..	16	..	..	..	..	..	4	..	30	583	Ballantrae.
10	90	8	509	..	1,363	70	86	15	60	9,709	West Coast Totals carried down.
											Totals brought down.
170	1,934	35	948	68	420	555	91	114	104	23,486	East Coast.
..	36	..	25	4	398	324	138	12	24	3,814	Orkney and Shetland.
10	90	8	509	..	1,363	70	86	15	60	9,709	West Coast.
180	2,060	43	1,482	72	2,181	949	315	141	188	37,009	Grand Totals for 1916.
168	2,076	33	1,433	78	1,474	205	152	95	647	35,461	Grand Totals for 1915.
12	..	10	49	..	707	744	163	46	..	1,548	Increase in 1916.
..	16	..	..	6	..	..	..	..	459	..	Decrease in 1916.

APPENDIX I.—No. I.

HARBOUR WORKS.—ACCOUNT of RECEIPTS and PAYMENTS by the Fishery Board for Scotland for Building, Extending, and Repairing PIERS or HARBOURS in Scotland in the Year 1916.

Dr.

1916.		£	s.	d.
Jan. 1.	To Balance	28,640	14	11
	PARLIAMENTARY GRANT.			
Mar. 31.	To Grant in aid of Piers or Quays (5 Geo. IV. cap. 64)	100	0	0
	INTEREST.			
Dec. 31.	To Interest on amount deposited in Bank	399	0	11
„ „	„ „ Treasury Bills	371	11	3
		£29,511	7	1

Cr.

1916.		£	s.	d.
Dec. 31.	By Payments for Harbour Works during the year, viz. :—			
	Cullen	500	0	0
	Buckie (Cluny)	8,000	0	0
	Banff	1,248	11	8
„ „	By Balance in hand	19,762	15	5
		£29,511	7	1

APPENDIX I.—No. II.

RETURN of the PIERS and HARBOURS Erected or Improved by the FISHERY BOARD FOR SCOTLAND from 1st January 1883 to 31st December 1916, showing for each undertaking the CONTRIBUTION made by the Board.

County.	Pier or Harbour.	Contributions by the Board. £	s.	d.	County.	Pier or Harbour.	Contributions by the Board. £	s.	d.
						Brought forward	71,692	9	10
Aberdeen	*Rosehearty	3,881	10	11	Fife . .	St. Monance	5,839	18	1
	Pennan .	1,320	13	4		Pittenweem	4,450	0	0
	Collieston .	5,482	0	7		St. Andrews	5,670	2	1
	Sandhaven	738	10	9		Cellardyke	1,300	0	0
	Fraserburgh	5,000	0	0	Forfar .	Auchmithie	4,125	0	0
Argyll .	Carsaig, Mull	5	17	0	Haddtingon	Port Seton	180	0	0
	Waterfoot, Cantyre .	24	0	0	Inverness .	Broadford, Skye .	7,875	0	0
Ayr . .	Dunure .	512	6	8	Kincardine	Stonehaven	2,900	0	0
	Ballantrae	105	0	0	Northum-berland .	Greenshaven	319	16	1
	Maidens .	1,181	19	6		Craster .	1,000	0	0
Banff .	Crovie .	971	16	3	Nairn .	Nairn .	5,587	10	0
	*Findochty	9,331	8	9	Orkney and Shetland	Holm, Orkney .	1,102	0	10
	Buckpool .	1,474	18	11		Whitehall, Stronsay	3,000	0	0
	†Buckie (Cluny) .	15,000	0	0					
	Portknockie	6,993	16	0	Ross and Cromarty	Balintore	5,805	13	0
	†Whitehills .	9,087	1	2		Rockfield .	10	0	0
	Sandend .	432	18	4		Ness, Lewis	8,072	6	7
	†Cullen .	1,900	0	0		Cromarty .	300	0	0
	†Banff	1,248	11	8		Avoch .	1,900	0	0
	Macduff .	3,000	0	0	Sutherland	Portnacon .	900	0	0
Berwick	Coldingham	3,000	0	0			132,029	16	6
Elgin .	Lossiemouth	1,000	0	0					
	Carried forward	71,692	9	10					

* These harbours were begun by the old Board, but the whole of the payments made towards the works are now given.

† The grants to these harbours have not yet been wholly expended.

Grants have also been made provisionally to Findochty and Port Charlotte, amounting in all to £600.

APPENDIX I.—No. III.

BRAND FEES.—ACCOUNT OF THE BRAND FEE REVENUE, THE COST OF COLLECTION, THE SURPLUS, AND THE EXPENDITURE, during the period from 1881 to 1916–17.

Year of Collection.	Total Proceeds of Brand Fees.	Estimated Cost of Collection.*	Surplus or Deficit.	Year in which Surplus Voted.	Amount Voted.	How Amount Voted disposed of.			
						For Telegraph Guarantees.	For Scientific Investigation.	For Eyemouth Harbour Loan Guarantee.	Transferred to General Harbour Fund.†
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
	£	£	£		£	£ s. d.	£ s. d.	£ s. d.	£ s. d.
10 Years 1881–90 ‡ ‡	83,245	56,647	26,598	1882–92	26,860	9,710 14 1	768 1 4	1,824 0 0§	14,557 4 7
10 Years 1891–1900 ‖	65,760	49,650	16,110	1892–1902	18,398	3,238 12 3	..	2,895 6 11	12,264 0 10
1901	6,423	5,096	1,327	1902–03	1,327	..	..	460 4 6	866 15 6
1902	7,259	5,219	2,040	1903–04	2,040	..	..	453 14 6	1,586 5 6
1903	6,067	5,181	886	1904–05	886	..	..	447 4 6	438 15 6
1904	8,070	5,443	2,627	1905–06	2,627	..	..	440 14 6	2,186 5 6
1905	6,582	5,363	1,219	1906–07	1,219	..	..	437 9 6	781 10 6
1906	5,100	5,487	*387*	..	..	..	..	..	..
1907	8,928	5,277	3,651	1908–09	3,651	..	..	421 4 7	3,229 15 5
1908	7,218	5,419	1,799	1909–10	1,799	..	..	414 14 6	1,384 5 6
1909	3,857	5,376	*1,519*	..	..	..	..	..	..
1910	5,246	5,467	*221*	..	..	..	..	..	..
1911	4,455	5,549	*1,094*	..	..	..	..	..	..
1912	2,915	5,550	*2,635*	..	..	..	..	..	..
1913	4,110	5,549	*1,439*	..	..	..	..	..	..
1914	1,288	5,639	*4,351*	..	..	..	..	..	..
1915	Nil	5,420	*5,420*	..	..	..	..	..	..
1916	Nil	5,406	*5,406*	..	..	..	..	..	..
Total . .	226,523	192,738	33,785		58,807	12,949 6 4	768 1 4	7,794 13 6	37,294 18 10

* For details see Civil Service Estimates (Class II., Vote for Fishery Board for Scotland). † To be spent as required. ‡ For details of these years, see 19th or previous Annual Reports.

§ This amount was set aside in the year 1891 as a Reserve Fund only to be drawn upon in the event of the Brand Fee Surplus in any particular year being insufficient, after defraying Telegraph Guarantees, to meet the liabilities under the Loan Guarantee. In 1892-93, £235 0s. 2d. was paid from this Fund; in 1898-99, £486 4s. 6d.; in 1900-01, £473 4s. 6d.; in 1901-02, £466 14s. 6d.; and in 1906-07, the balance, amounting to £162 16s. 4d.

‖ For details of these years, see 26th Annual Report.

APPENDIX M.

HARBOUR IMPROVEMENT SCHEMES.

REPORT BY MR. R. GORDON NICOL, M.INST.C.E.

I have the honour to submit, for the information of the Board, the following report on the Harbour Improvement Schemes which are being carried out under the supervision of the Board, and were in progress for the year ended 31st December 1916.

The following table gives a list of these harbours, along with the estimated cost of the Schemes and the assistance in grants and loans that is to be provided from funds at the disposal of the Development Commissioners and the Board.

Name of Harbour.	Estimated Cost of Scheme.	Assistance to be Provided.		
		Free Grants.	Loans.	Total.
Eyemouth	£4,200	£1,200	£2,500	£3,700
Stonehaven	13,500	6,500	7,000	13,500
Fraserburgh	40,000	20,000	20,000	40,000
Gardenstown	9,500	4,000	4,000	8,000
Macduff	26,488	12,000	12,000	24,000
Banff	4,000	3,000	...	3,000
Whitehills	3,000	2,250	...	2,250
Cullen	6,037	3,300	2,300	5,600
Portknockie	8,000	3,200	2,800	6,000
Findochty	6,700	2,000	1,500	3,500
Buckie	57,750	18,000	39,750	57,750
Lossiemouth	15,034	3,000	10,000	13,000
Nairn	18,000	7,000	...	7,000
Wick	31,260	...	31,260	31,260
Total	£243,469	£85,450	£133,110	£218,560

Eyemouth Harbour.—This Improvement Scheme is for the widening and deepening of the navigation channel inside the piers by the removal of submarine rock to provide a depth of 2 feet below low water of ordinary spring tides.

Progress in carrying out the work has been very slow. In September the contractors, Messrs. Anthony Fasey & Son, Leytonstone, intimated to the Harbour Trustees that in view of the abnormal scarcity and cost of materials and labour and other difficulties they were compelled to postpone the completion of the work until after the war. After considerable negotiation the Trustees agreed to this course and work on the scheme was suspended.

Payment of the first instalment of the loan, amounting to £1300, has been made to the Trustees from the Development Fund.

Stonehaven Harbour.—The Improvement Scheme at this harbour, which includes the deepening of the outer basin and the strengthening and repair of the Old North Pier, has been completed, with the exception of the concrete roadway of the landward section. On completion of certain repairs and underpinning that were necessary for the stability of the pier, payment of the final instalment of the loan, amounting to £2000, was made to the Trustees from the Development Fund.

Fraserburgh Harbour.—Work on this Improvement Scheme has been practically suspended this year from lack of funds, and the Harbour Trustees have made application to the Development Commissioners for further financial assistance.

Further damage was done by storms to the wave traps in Burnett Pier and to Balaclava Breakwater. The breach in the latter structure has been repaired with concrete.

No payments were made to the Harbour Trustees during the year from the Development Fund.

Gardenstown Harbour.—The extension of the East Pier is almost completed, the only parts still remaining to be done being the lighthouse tower and a portion of the concrete decking. The demolition of the West Breakwater is practically finished, and repairs have been carried out on existing works when the weather was unfavourable for work on the East Pier.

Payment of an instalment of the grant, amounting to £500, was made this year to the Harbour Trustees from the Development Fund.

Macduff Harbour.—Good progress still continues to be made on this Improvement Scheme. The outer sea wall of the breakwater which encloses the new harbour basin has been completed, and the parapet wall has been constructed on top of it for a length of about 780 feet. The foundation of the inner wall has been prepared for a considerable distance, and about 1500 square yards of concrete roadway have been laid. During the year 12,685 cubic yards of rock and 1774 cubic yards of soft material have been excavated from the area of the new basin, the rock being drilled by pneumatic tools and displaced by explosives.

Payments amounting to £2438, 19s. 2d. from the grant and £3000 from the loan were made this year to the Trustees from the Development Fund.

Banff Harbour.—This Improvement Scheme is for the deepening of the existing inner harbour basin and the pointing of the quay walls. Progress has again been exceedingly slow and a proposal has been made by the Trustees to take the work out of the Contractor's hands and complete it departmentally. In all 3750 cubic yards of rock and 3600 cubic yards of soft material have been excavated during the current year.

Payments amounting to £1248, 11s. 8d. were made by the Board towards the cost of the scheme during the year.

Whitehills Harbour.—Work on this Improvement Scheme is still suspended on account of the war.

Cullen Harbour.—This Improvement Scheme was completed in July, and the Contractor has removed his plant from the site of the works. The Trustees subsequently carried out some minor work under the supervision of their Inspector, including the strengthening of about 80 lineal feet of the West Pier inner wall.

Payment of a grant of £500 was made by the Board towards the cost of the scheme.

Portknockie Harbour.—Consideration of this scheme of Harbour Improvement is still postponed on account of the war.

Findochty Harbour.—This scheme is still deferred until after the war.

Buckie Harbour.—This Improvement Scheme still continues to make good progress and is nearing completion. The North West Pier is finished, and the Jetties are almost completed, while the excavation of three of the harbour basins is all but finished. There still remains to be executed the works which were provisionally cancelled on account of the war, and the pointing of the defective work in the breakwaters.

The entrance breakwater sustained damage by the waves during storms in the spring of the year, whereby some of the concrete blocks in the outer end were displaced. Measures are now being taken to have the damage repaired and the structure secured.

In answer to the application of the Town Council for further financial assistance the Treasury, on the recommendation of the Development Commissioners and the Board, have promised an additional loan of £14,750 from the Development Fund towards the cost of the scheme, while the Board have promised a grant of £8000 for the same purpose.

Payment of the final instalment, amounting to £8250, has been made to the Trustees by the Board of Trade, and also an instalment of £9000 by way of loan from the Development Fund. Payment has also been made of the grant of £8000 promised by the Board.

Lossiemouth Harbour.—This Improvement Scheme is to provide wintering accommodation for herring drifters at the mouth of the River Lossie, with outer breakwaters to protect the interior during storms.

The concrete breakwater at the west side of the entrance has been constructed for a length of 216 feet, while the concrete East Pier has been built for a length of 220 feet. The timber wharves in the interior are practically finished, and the iron foot bridge which spans the river has been removed to another site further up stream and is in course of erection.

Payments amounting to £4357, 1s. 4d. have been made to the Harbour Commissioners by way of grant and loan from the Development Fund.

Nairn Harbour.—Reconsideration of this Improvement Scheme is still engaging the attention of the Town Council.

Wick Harbour.—This Improvement Scheme is for the extension and proper protection of Wick Harbour. It includes the erection of outer breakwaters in the middle of the bay for the complete protection of the existing works, the completion of the River Harbour by the rebuilding of the River Piers and the extension of the berthing accommodation up the river. In addition to these works provision is made for the improvement and security of the works of the older harbour basins and piers.

Meantime consideration of the larger works has been deferred on account of the war, and the Treasury, on the recommendation of the Development Commissioners and the Board, have promised a loan of £31,260 to secure the piers and breakwaters of the harbour against further damage by storms.

The work is being carried out departmentally with the Resident Engineer in charge of the operations. The foundations of the South Pier or Breakwater were sufficiently secured by large bags of concrete before the winter storms appeared, while the outer end of the North Pier was carefully underpinned with concrete in small bags.

Payments amounting to £4365, 7s. have been made to the Trustees by way of loan from the Development Fund.

R. Gordon Nicol,
Consulting Engineer.

APPENDIX N.

SALMON FISHERIES.

MR. CALDERWOOD'S REPORT.

FISHERY BOARD FOR SCOTLAND,
March 1917.

I have the honour to submit my report on the Salmon Fisheries to the Fishery Board for Scotland.

I regret to have to announce, at the outset, that the past season has been the worst on record in the history of Scottish Salmon Fisheries. At the present time, when it is necessary to conserve as far as possible all food supplies, our stock of salmon reaches a lower level than ever known.

In 1901 it was deemed advisable to inquire by Royal Commission into the state of the country's salmon fisheries, and into the steps necessary to improve them. Unhappily it has never been found possible to secure the necessary legislation recommended after the most ample and searching inquiries. It is 15 years since the Commission reported, and during that period the conditions have slowly and steadily grown worse.

We have not yet obtained powers to secure statistics of catch. We do not therefore know the number of fish taken, or what the actual decline amounts to. We still receive, however, by the courtesy of the various Railway and Steamship Companies, a return showing the weight of salmon carried, and a glance at the chart of curves on p. x. shows the evidence from this source since 1894, and the approximate state of matters. It has to be borne in mind that a return of this sort gives no information of the relative conditions of grilse and salmon, since there may be a great falling off in the small and light fish without a return based on weight giving more than a hint of it. I shall refer specially to grilse later.

Lest the decline complained of should be thought to be through a lessening of the amount of fishing during the war, I may explain that while the difficulty of obtaining adequate labour of the skilled sort necessary for the fishing of the coast bag nets and fly nets has certainly been rather severely felt by lessees of fisheries, and while some stations have had to be given up in consequence, this is by no means sufficient to explain the conditions which have now been steadily going on for years, and which are now becoming more and more serious. Also stretches of coast such as the east side of the Isle of Skye, and the island of Raasay are now little fished simply because the fishing does not pay. Good years are now not so good as formerly, and bad years are a good deal worse. Prices may rule high in consequence, but the stock of fish is diminishing. Last year one of the very best fishing centres on the east coast of the country yielded less than half an average catch. From another place comes the report that the catch is not a third, and that the lessee proposes to give up. On the north-west coast I know also that the bag nets have been doing

very badly. Grilse and sea trout throughout the country were practically a total failure last year.

Some years ago I had occasion to remark upon the decline of grilse as compared with salmon. "In the early part of last century, in the Tweed, for instance, from records of catches at Berwick, which I have had the opportunity of examining, it is clear that the take of grilse in the Tweed alone was at times a hundred times greater than the present-day catch for the whole of Scotland, and that in a period of twenty years it never fell below a figure 30 times as great as the present-day catch of the whole of Scotland.

"The ratio between grilse and salmon has enormously declined from what it used to be. Without lambs one cannot expect to have sheep, and without grilse one cannot expect to have salmon." Some have suggested the possibility that, though we do not find many grilse on our coasts or in our rivers, they are in existence in the open seas, and that the young fish are more and more inclined to remain amongst the herring fry than formerly; in other words, that the habits in the sea are changing. If we had greatly increased catches of older fish, I could view this supposition with more favour. The more reasonable supposition is simply that we have got into the habit of catching too many grilse, and that they are not in existence in the same numbers, either on the coast, in the rivers, or in the open sea. Salmon scale research shows that the fish which as par and smolts remain only a short time in fresh waters before their first migration, tend to remain long in the sea, and *vice versa*. Nevertheless, the great majority of our smolts migrate when two years old, and therefore the great majority of our adult fish are not likely to behave differently than their ancestors have done in the past, unless it can be proved that the smolts of the past migrated most freely at other ages. The real question we are up against seems to me to be purely one of scarcity.

I would respectfully ask that this matter be seriously considered. Salmon is an important and highly nutritious food. Under the war conditions which have been existing salmon is not more expensive than many ordinary foods, and it takes no trouble to rear. The spawning stock has simply to be protected and the resulting harvest gathered. There is no reason why salmon in Scotland should not be once more comparatively cheap; I would venture to say as cheap as the war time prices of haddock and cod; while in the matter of nutriment salmon is pre-eminent, especially if the fish be taken from the sea or estuary before its food value has deteriorated in fresh water.

It is not readily possible to increase the amount of netting. Rather is it advisable, if possible, to restrict in some way the capture of grilse. But it should be quite possible ultimately greatly to increase the quantity of salmon taken by the existing nets.

In this connection it is very important to recollect that at the present time we are indebted almost exclusively to the sportsman and the river proprietor for the protection of our stock of salmon. We have not adopted, in this country, the policy of allowing the netsman to catch as much as he can in almost any locality, and to rely on artificial hatching for the upkeep of the stock. We have magnificent natural spawning grounds in our Scottish rivers—although some of them might be made more readily accessible—and we prefer to rely upon the process of nature for the replenishment of the stock. This means the protection of our spawning fish, and the District Boards to whom this duty is assigned are exclusively composed of proprietors of salmon fisheries. But I should like to insist that the real interest of the salmon fisheries as a whole is common to netsmen and rod fishers alike. The Scottish Act of 1862 (25 & 26 Vict. cap.

97) created a further separation between the upper and the lower proprietors, which has existed ever since, and which in my opinion has simply accentuated the spirit of opposition between parties in a Fishery District. Lord Elgin's Commission, to which reference has already been made, recommended that the separation be done away. As it is, the Tweed Commissioners have never been a party to the arrangement.

The last general Salmon Act for Scotland is the Act of 1868, and much water has flowed below the bridge in the last 49 years.

With regard to the collection of statistics, the Board have for long stated that annual returns should be made showing the number of salmon caught in Scotland, whether by net or rod. The objection made by lessees of fishings is that this implies an inquisitorial scrutiny which will affect their rents. But this objection can be easily overcome by an instruction that no results of individual fisheries will at any time be stated, or that the statistics will be published so as to show only wide districts of the country. The Commission of 1902 upheld this view, and stated that "the public good must over-ride private interests" in such matters. An excellent concrete example was recently given, in *The Salmon and Trout Magazine* (April 1917), by Mr. J. Arthur Hutton, showing how the results might appear. He says, in supporting this view:—"For example, I as an export-merchant have to declare that on a certain day I shipped to, say, Mombasa, 5 cases of printed cotton goods containing 10,125 yards, value £168. In the following month the Board of Trade will publish a return as follows:—Shipments of printed cotton goods to British East Africa, 270,000 yards, value £4500.

"There is nothing in this which will in any way injure my business, although my shipment forms a part of this monthly return of 270,000 yards of printed cotton."

There is no doubt at all that we would be in a far stronger position, if we had such statistics, to deal not only with the question of the national condition of our salmon fisheries, but also in the various local considerations which arise from time to time. While the absence of such statistics weakens our argument as to the present condition and throws us back upon such returns as the weights of salmon carried, returns which I repeat are given us only by the courtesy of railways, and the compilation of which has been objected to before now on the ground of its being a gratuitous task thrown on already busy employees, and returns which, after all, cannot tell us much that we should know, the absence, nevertheless, must appeal to every one who thinks over the matter at all, as showing a condition of things which should not be allowed to continue, when, by all the available signs, we are faced by a serious falling away in our stock of salmon.

It surely is of the essence of government that there be adequate knowledge of the thing to be governed. For purposes of general administration we have no official collection of statistical information whatever. For general purposes also there is no value in publishing details which will in any way affect local interests. In the consideration of local matters, however, there is great benefit in having the details for official use. Take, for instance, the case of a Petition for alteration of Close Time. In the customary inquiry into a point of this kind, the official concerned should be in a position himself to refer to the details from the district under review, and so be able to rely less upon the conflicting statements he may receive in evidence.

Valuable statistics can be produced for certain isolated fisheries, and these have been of the greatest use when consultation became necessary.

On the other hand, such statistics as referred to the numbers of boxes

of salmon marketed at Billingsgate, which used to form a regular item in these reports, have been gradually discarded on account of a growing custom to market salmon in centres other than Billingsgate, London being no longer, therefore, a true gauge of the Scottish catch. In this connection, however, I may mention that a most interesting examination of Billingsgate returns for Scotland, England, and Ireland (1905–1916) has been given by Mr. Hutton in the *Salmon and Trout Magazine* to which I have already referred. The figures have been worked out in series of four years ending in each year, with the rather surprising result that when spring fish are separated from summer fish (January to May being taken as spring), a rise in the supply of spring fish is found in the case of each country. The sets of curves shown are quite distinct, the spring curves being steady, showing a rise, and the summer curves less flat, showing a fall. Unfortunately, the fall more than overbalances the rise, so that the curves showing total deliveries, although they rise in 1909 and 1911, show a decline over all, and a marked decline since 1914.

Since the days, in the middle of last century, when bag net fishing was first introduced on the coast of Forfarshire, the netting of salmon has become a more and more skilful operation. With the advent of the bag nets, some fisheries in West Highland rivers failed. But these fisheries were carried on by both cruive and sweep net, and no surprise was felt that the stock of fish could not stand the addition of a third method. It was natural, however, that the new method should be blamed. None the less, the view was at length reached that bag net fishing was really less harmful than cruive and sweep net fishing in these comparatively small rivers, so the cruives were done away with, the sweep nets given up, and the bag nets remain.

Everyone now recognises that the general interests of any river or district cannot be upheld if cruives are fished. Similarly, in Scotland at least, I believe every one holds that only a moderate amount of sweep netting can, with safety, be carried on in the estuaries of our largest rivers. To use the net and coble by day and night in the mouth of a comparatively small river simply results in the various runs of fish being removed till the end of the netting season, when only a very inadequate remainder can ascend to propagate their species. To secure an adequate stock, it is necessary that a proportion of every run of fish should be enabled to pass beyond the nets to the comparative security of the upper waters. The maximum stock of salmon which any river can carry depends upon the amount of food for the fry, par and smolts, before they leave fresh water for the sea.

It is quite possible that when fry are in immense numbers, as they must be, for instance, in the Pacific Coast rivers of the North American continent, the fry must have recourse to the sea for a sufficient supply of food. Recent research shows, at least, that the fry of the Sockeye descends to the sea at once, or as quickly as the enormous length of many of the rivers permits. Temperature has also a great influence, no doubt, in controlling the supply of food, as has been demonstrated in Norway where a completely different habit seems to obtain in the southern rivers from what is found in the cold rivers of Finmarken within the Arctic Circle.

Our conditions, however, seem to require that the great majority of our smolts shall remain two years in fresh water before making their first entrance to the sea, and we not only require the food, but we require a certain amount of purity in order to enable the food to live.

Our rivers have no doubt altered to some extent, and through the great development of land drainage, floods do not last so long as formerly

and do not have the same long-continued scouring action. Fish have less time in which to ascend to the upper reaches, especially if barriers of any kind are erected by man. Actual rainfall may not also be so great as formerly. Pollutions have certainly increased, and are still increasing slowly, unostentatiously, but surely.

With all these factors in addition to the netting, the salmon stock is declining.

If these contributory factors were not present, the existing netting could, in all probability, be carried on without injury to the stock. It would be completely unjust to reduce the netting rather than these other injurious agencies, if, as I most strongly believe, these other agencies are chiefly the result of thoughtless disregard to the interest of others, or some stupid idea that to do anything in the interests of salmon fishing is to benefit the wealthy sportsman. We very greatly need sound regulative treatment of these agencies which operate needlessly against our salmon stock. The broad lines of what may be called the policy attempted in Scotland are that the sea is the place for the net, the river for the rod and for the spawning of the fish.

The interests of quite a large number of manufacturing industries are against the fisheries; the enormous increase in the abstraction of water to towns is against the fisheries; the very improvements introduced in modern civilised life are against the fisheries; and, most unfortunately, it seems commonly to be considered that because waste products from distilleries, wool mills, paper mills, iron works, and nowadays even munition works, are inevitable, it is necessary to pollute and to injure our fisheries. I desire to urge, as strongly as any words of mine can, that this is a mistaken idea, quite uneconomical and unscientific, and that at any rate the great majority of cases might be dealt with so as to allow full scope to the industries and at the same time provide against injury to the purity of our rivers, to any serious extent. There is great difficulty, I admit, in dealing with long-established polluters, but very much might be saved were the matter reasonably considered, from both sides, before it was allowed to go too far.

At the present time the Fishery Board for Scotland has absolutely no power whatever to deal with the subject of pollutions, yet it is the authority charged with the supervision of the salmon fisheries. The polluters may themselves be members of a District Fishery Board, and may allow their own fishery interests to drop, but incidentally they are also allowing all their neighbours to be injured, and the salmon stock to be reduced. Similarly, in the matter of the erection of obstructions in rivers which prevent or hinder the ascent of salmon, the Fishery Board are powerless. It may be to the interest of a dominating party in a District Board to keep the fish below the obstructions, or some industrial enterprise may have arisen in which they are financially interested. The general well-being of the fisheries must suffer; and such injuries are not temporary. A serious pollution does not get better, or a weir less steep as time goes on. Slowly these things appear, but they come to stay.

If a District Board does not perform the function for which it was brought into being, the Central Board have no power. They must exercise their superintendence "without prejudice to or interference with the powers of District Boards."

Then, in the matter of both pollution and obstructions, such acute local differences are apt to arise over injury to fisheries that the Courts are appealed to, and large sums of money spent. I have observed not a few cases where disputants had to go to law simply because there was no properly or adequately constituted authority to whom points connected with the best

interests of the fisheries could be referred. In such cases, too often, the upshot comes to be some form of compensation for injury already done. I wish to argue for the settlement of such difficulties before the injury is done. Even if those who are injured receive large money payments or equivalents, the benefit to the fisheries is nil. The human being who for the moment is injured receives some solatium, but a permanent injury to the salmon fisheries has been done.

With regard to this question of pollution, we have the monumental work of the Sewage Disposal Commission, whose final report was issued in 1915, as an exhaustive guide to the whole complicated question, but at the same time a very definite indication of how the purification of our rivers should best be accomplished. With proposals for the betterment of our Scottish Salmon Fisheries, there should therefore be the power for the Central Fishery Authority to act in conjunction with the proposed Central or Supreme Rivers Authority.

I have ventured to write thus strongly on the need for legislation because it appears to me that, in all probability, we are now at or near a crisis in the history of our Salmon Fisheries, when if things are allowed to continue as formerly a condition will soon be reached from which recovery will be well-nigh impossible. The principal needs of the case, at least, have been embodied in the form of a Bill which has been in existence for years, and which has been revised more than once.

Tay District.

I commenced my inspections, in 1916, by a visit to the Tummel Pass on 18th May. The river was fairly high. The gauge at the foot of the Pass showed 24 inches of water, while a measurement at the deepened intake sill showed 34 inches, indicating that a loss in depth of 10 inches took place in the course of the Pass. The water at the upper end and as far into the tunnel as one could see, flowed in a uniform and "black" state. Below the tunnel, on the other hand, where the Pass is still of the original gradient, the water was unduly rough and broken. I noticed that some boulders, about 18 inches in diameter, had been washed down the Pass, and that there was a considerable accumulation of gravel towards the lower end. It appeared to me also that further silting up at the intake was probable.

Through the kindness of Mr. H. W. Johnston, I then motored up to Dalcroy Dam and Dunalastair Fall. I found the former considerably improved by the repairs affected by the District Fishery Board. At the height of the river on the day of my visit fish could have ascended easily. At Dunalastair Fall, the rocks which had been blasted away to relieve the pressure had not yet been washed away from the foot of the Fall. The water was distinctly rough, and the pressure still heavy. Also a very strong boil-up occurred in the pool below, especially towards the right bank. It appears, however, that fish are now more easily able to ascend in low conditions of river.

Forth District.

Next day I visited Dunblane Dyke and Pass, where alterations had been made by the District Fishery Board. I dealt with this Dam and Pass at considerable length in my last Annual Report.

At the date of my visit, the level of the water was particularly suitable for judging the depressions in the sill, and the way in which the greatest volume of water flows, not where the Pass is situated, but towards the left bank. The Pass is situated about a fourth of the way from the right bank.

Each end of the dyke was dry, but a considerable flow of water was passing over the sill towards the left bank. This water and the flow from the Pass formed two separate streams separated by a rough triangular island below the dyke. The best lead up for fish is, naturally, where the best waterflow is, and therefore the choice of the site of the Pass has not been particularly advantageous. About 2½ inches of water was descending on each side of the Pass, outside the high copings which form the sides of the Pass, and only 4½ inches were flowing across the sill of the Pass itself, thus bearing out what I stated last year as to the way the vital point of the gap, in Byelaw G of the Salmon Act of 1868, has been disregarded.

The three pools of the Pass itself were separated by three breaks or baffle plates of a satisfactory kind.

The low dyke above Dunblane, which is peculiar in that it serves no purpose whatever, except as an obstruction to the ascent of fish, still remains. The mill for which the dyke was erected was never built. The District Board would be well advised to have the dyke breached in the centre to the level of the river bed.

A short distance above the railway viaduct another low dyke supplies water to a wool mill. I have also referred to this dyke on a previous date. It has an angle at which an easy pass for fish could readily be erected. An absurd little set of stone steps, set near the angle of the dyke, cannot be dignified by the name of a salmon pass. The dyke has an abrupt downward curve, and must be a complete obstruction to ascending fish except in high river.

Awe District.

The old wool mill which used to exist at Connel is now transformed into a hall and residences. The iron dyke which served to supply the mill with water from the Lusragan Burn has been opened up, so that sea trout have now an uninterrupted run to the Black Lochs.

Lochy District.

In this district I went to see the netting which has been carried on for many years at the head of Loch Eil. Two nets were formerly worked, the fishing being done by a tenant of Lord Morton. I found only one net in use, but, as I suspected from information I had received, it was set as a fixed engine. The whole of Loch Eil is within the estuary of the Lochy District. The net was about 80 yards long, and had been run out with a "hook," and anchored. Two men were in attendance on shore. I had the net drawn, and warned the men against fishing inside the limits of an estuary with a fixed net. I found six salmon had already been taken. I afterward informed the clerks of the District Fishery Board in Fort-William, who agreed to have the operations of the tenant watched.

Shiel District.

It is noteworthy that most of the salmon killed on the rod at the head of Loch Shiel are taken in the month of May, while the river Shiel, through which all such fish have to ascend, is not supposed to yield any sport to the rod till the end of May. As Loch Shiel is only some 11 or 12 feet above the sea level, it will be understood that the gradient of the river is easy, and that early fish are able to run through it in March and April without difficulty. Indeed, at the same season they run through rivers of the West Coast which are much steeper and rougher in character, such as the Awe and the Ewe.

In order to induce fish to lie longer in the river, a series of croys have recently been constructed. These I examined.

The Dunans keeper reported he had fished through March and April, but, apart from a large number of kelts, had hooked only two clean fish, one in each month. He had killed six fish in May up to the date of my visit (25th), three having been got one day.

I was satisfied that the croys were a distinct advantage to the river, and believe that still more croys could be added with advantage.

As showing the falling away in sea trout in this neighbourhood, I may give the following particulars I obtained respecting the catches at the head of Loch Shiel.

1910.	Salmon	22	1913.	Salmon	33
	Sea trout	1555		Sea trout	603
1911.	Salmon	20	1914.	Salmon	24
	Sea trout	796		Sea trout	223
1912.	Salmon	22	1915.	Salmon	12
	Sea trout	756		Sea trout	175

Ailort District.

I referred briefly in my last Annual Report to the Dam dyke which has been erected at the outlet of Loch Eilt. Considerable interest attaches to the creation of artificial floods in small rivers. The height to which water can be raised in this instance is only 3 feet, owing to the danger of flooding roads, etc. The superficial area of the loch is about 500 acres. I made a careful inspection of the dam dyke in 1916, and found, as I had previously indicated, that although the original plan had been departed from in one particular, so that the check upon the descending water is not so great as might have been the case, the dam answers its purpose well. The local watcher informed me that with one sluice open 18 in. and the other open 12 in., three hours of flood reduced the level of the loch by only three quarters of an inch. Floods are run for about twenty-four hours, and are timed at the commencement to meet high spring tides in Loch Ailort.

Dee (Solway) District.

A proposal arose in 1916 to utilise the site of the old mill at Tongland, 4 miles up the Dee from Kirkcudbright, for the erection of a power house for the use of The Galloway Engineering Co. The lade draws its water from the river by means of the imperfect dyke and rocky barrier in the river which had been utilised for the construction of the doaches of Tongland. I have made reference to these old cruives on several occasions.

The Engineering Company proposed, in the first instance, to raise by 1 foot or so the level of the old partial dyke, to reconstruct the intake of the lade, and to introduce turbines. The plans of the Company appear, however, to have been subject to alteration, as ultimately a dyke was erected which, although not completely across the river, was so high that in view of the presence in addition of the rocky barrier and the doaches the upper proprietors of salmon fisheries became seriously alarmed.

I understand the matter is now likely to form the subject of litigation at an early date.

APPENDIX Q.

ANNUAL CLOSE TIMES APPLICABLE TO THE SALMON RIVERS IN SCOTLAND.

N.B.—Observe that, in the following List, the days fixing the commencement and termination of the Annual Close Time for Net-fishing and for Rod-fishing, respectively, are in all cases inclusive, as in the case of the Add, the first river in the List.

Name of River.	Annual Close Time for Net-fishing.	Annual Close Time for Rod-fishing.
Add	From Sept. 1 to Feb. 15, both days inclusive.	From Nov. 1 to Feb. 15, both days inclusive.
Aline	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Alness	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Annan	From Sept. 10 to Feb. 24.	From Nov. 16 to Feb. 24.
Applecross	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Arnisdale (*Loch Hourn*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Awe	From Aug. 27 to Feb. 10.	From Oct. 16 to Feb. 10.
Aylort (*Kinloch*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Ayr	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Baa and Goladoir	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Badachro and Kerry (*Gairloch*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Balgay and Shieldag	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Beauly	From Aug. 27 to Feb. 10.	From Oct. 16 to Feb. 10.
Berriedale	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Bervie	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Bladenoch	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Broom	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Brora	From Aug. 27 to Feb. 10.	From Oct. 1 to Jan. 10.
Carradale (*in Cantyre*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Carron	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Clayburn, Finnisbay, Avennangeren, Strathgravat, North Lacastile, Scalladale, and Mawrig (*East Harris*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Clyde and Leven	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Conon	From Aug. 27 to Feb. 10.	From Oct. 16 to Jan. 25.
Cree	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Creed or Stornoway, and Laxay (*Island of Lews*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Creran (*Loch Creran*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Croe and Shiel (*Loch Duich*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Dee (*Aberdeenshire*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Dee (*Kirkcudbrightshire*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Deveron	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Don	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Doon	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Drummachloy or Glenmore (*Isle of Bute*)	From Sept. 1 to Feb. 15.	From Oct. 16 to Feb. 15.
Dunbeath	From Aug. 27 to Feb. 10.	From Oct. 16 to Feb. 10.
Earn	From Aug. 21 to Feb. 4.	From Nov. 1 to Jan. 31.
Eckaig	From Sept. 1 to Feb. 15.	From Nov. 1 to Feb. 15.
Esk, North	From Sept. 1 to Feb. 15.	From Nov. 1 to Feb. 15.
Esk, South	From Sept. 1 to Feb. 15.	From Nov. 1 to Feb. 15.
Ewe	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.

Name of River.	Annual Close Time for Net-fishing.	Annual Close Time for Rod-fishing.
Fincastle, Meaveg, Ballanachist, South Lacastile, Borve, and Obb (*West Harris*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Findhorn	From Aug. 27 to Feb. 10.	From Oct. 11 to Feb. 10.
Fleet (*Sutherlandshire*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Fleet (*Kirkcudbrightshire*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Forss	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 24.
Forth	From Aug. 27 to Feb. 10.	From Nov. 1 to Jan. 31.
Fyne, Shira, and Aray (*Loch Fyne*)	From Sept. 1 to Feb. 15.	From Nov. 1 to Feb. 15.
Girvan	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Glenelg	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Gour	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Greiss, Laxdale, or Thunga.	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Grudie or Dionard	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Gruinard and Little Gruinard	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Halladale, Strathy, Naver, and Borgie	From Aug. 27 to Feb. 10.	From Oct. 1 to Jan. 11.
Helmsdale	From Aug. 27 to Feb. 10.	From Oct. 1 to Jan. 10.
Hope and Polla or Strathbeg	From Aug. 27 to Feb. 10.	From Oct. 1 to Jan. 11.
Howmore	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Inchard	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Inner (*in Jura*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Inver	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Iorsa (*in Arran*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Irvine and Garnock	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Kannaird	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Kilchoan or Inverie (*Loch Nevis*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Kinloch (*Kyle of Tongue*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Kirkaig	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Kishorn	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Kyle of Sutherland	From Aug. 27 to Feb. 10.	From Oct. 1 to Jan. 10.
Laggan and Sorn (*Island of Islay*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Laxford	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Leven	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Little Loch Broom	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Lochy	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Loch Duich	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Loch Luing	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Loch Roag	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Lossie	From Aug. 27 to Feb. 10.	From Oct. 16 to Feb. 10.
Luce	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Lussa (*Island of Mull*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Moidart	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Morar	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Mullanageren, Horasary, and Lochnaciste (*North Uist*)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Nairn	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Naver and Borgie, *see* Halladale.		
Nell, Feochan, and Euchar.	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Ness	From Aug. 27 to Feb. 10.	From Oct. 16 to Feb. 1.
Nith	From Sept. 10 to Feb. 24.	From Dec. 1 to Feb. 24.
Orkney Islands (*River from Loch of Stenness*, &c.)	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 24.
Ormsary (*Loch Killisport*), Loch Head, and Stornoway (*Mull of Cantyre*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Pennygowan or Glenforsa, and Aros	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.

Name of River.	Annual Close Time for Net-fishing.	Annual Close Time for Rod-fishing.
Resort	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Ruel	From Sept. 1 to Feb. 15.	From Nov. 1 to Feb. 15.
Sanda	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Scaddle	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Shetland Islands (*River of Sandwater, &c.*)	From Sept. 10 to Feb. 24.	From Nov. 16 to Jan. 31.
Shiel (*Loch Shiel*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Sligachan, Broadford, and Portree (*Isle of Skye*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Snizort, Orley, Oze, and Drynoch (*Isle of Skye*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Spey	From Aug. 27 to Feb. 10.	From Oct. 16 to Feb. 10.
Stinchar	From Sept. 10 to Feb. 24.	From Nov. 15 to Feb. 24.
Tay (except Earn)	From Aug. 21 to Feb. 4.	From Oct. 16 to Jan. 14.
Thurso	From Aug. 27 to Feb. 10.	From Oct. 6 to Jan. 10.
Torridon, Balgay, and Shieldag	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Tweed	From Sept. 15 to Feb. 14.	From Dec. 1 to Jan. 31.
Ugie	From Sept. 10 to Feb. 24.	From Nov. 16 to Feb. 24.
Ullapool (*Loch Broom*)	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Urr	From Sept. 10 to Feb. 24.	From Nov. 30 to Feb. 24.
Wick	From Aug. 27 to Feb. 10.	From Nov. 1 to Feb. 10.
Ythan	From Sept. 10 to Feb. 24.	From Nov. 1 to Feb. 10.

APPENDIX R.

LIST OF CHAIRMEN AND CLERKS OF SALMON FISHERY DISTRICT BOARDS IN SCOTLAND.

District.	Name and Address of Chairman.	Name and Address of Clerk.
Alness . .	Andrew Mackenzie, Esq., Dalmore House, Alness.	William J. Duncan, Solicitor, Dingwall.
Annan . .	A. Johnstone Douglas, Esq., Comlongan Castle, Ruthwell.	J. C. R. Macdonald, 84 Irish Street, Dumfries.
Awe . .	The Duke of Argyll, Inveraray Castle, Inveraray.	Alex. MacArthur, Solicitor, Oban.
Ayr . .	Richard A. Oswald, Esq., of Auchincruive, Ayr.	C. Young, W.S., County Buildings, Ayr.
Balgay . .	C. R. Manners, Esq., C.E., 12 Lombard Street, Inverness.	Duncan Shaw, W.S., 15 High Street, Inverness.
Bervie . .	David Scott Porteous, Esq., of Lauriston, as Mandatory of the Commissioners of Woods and Forests.	W. C. Walls, Solicitor, Montrose.
Broom . .	W. Ewing-Gilmour, Esq., of Inverlael, per A. W. G. Aitken, Esq., S.S.C., Edinburgh.	W. R. T. Middleton, Solicitor, Dingwall.
Carron (W. Ross)	Baron von Schroder of Attadale.	Arthur H. Duncan, Solicitor, Dingwall.
Conon . .	John Little Mounsey, Esq., W.S., 5 Thistle Street, Edinburgh, Commissioner for Col. J. A. F. H. Stewart Mackenzie of Seaforth.	W. R. T. Middleton, Solicitor, Dingwall.
Cree . .	The Earl of Galloway, Cumloden, Newton-Stewart.	A. B. Matthews, Solicitor, Newton-Stewart.
Dee (Aberdeen)	The Lord Provost of Aberdeen.	Alex. Duffus, Advocate, Aberdeen.
Dee (Solway) .	J. Wilkinson, Esq., Mandatory for Capt. Hope, R.N., of St. Mary's Isle.	W. Nicholson, Jun., Solicitor, Kirkcudbright.
Deveron . .	Wm. MacIntosh, Esq., Fife Lodge, Banff.	Wm. Simpson, Solicitor, 40 Low Street, Banff.
Don . .	George Davidson, Esq., Wellwood, Aberdeen.	Alex. Duffus, Advocate, Aberdeen.
Doon . .	Marquis of Ailsa, Culzean Castle, Maybole.	C. Young, W.S., County Buildings, Ayr.
Dunbeath .	Mandatory of Commissioners of Woods, etc., London.	D. W. Georgeson, Solicitor, Wick.
Esk (North) .	W. Douglas Johnston, Esq. (as Mandatory for Proprietors of Morphy Fishings), Montrose.	J. R. Findlay, Solicitor, Montrose.
Esk (South) .	W. Douglas Johnston, Esq., Montrose.	D. S. Campbell, Solicitor, Montrose.
Feochan . .	The Marquis of Breadalbane, Taymouth Castle, Aberfeldy.	Alex. MacArthur, Solicitor, Oban.
Findhorn . .	Sir R. C. Munro Ferguson, Bart., of Novar, per J. J. Meiklejohn, Esq., factor.	C. Grant Mackenzie, Solicitor, Forres. Jas. Munro, National Bank Buildings, Forres, Clerk *ad interim* in Mr. Mackenzie's absence.
Forth . .	Mandatory of Commissioners of Woods, etc., London.	Henry Robb, 11 Barnton Street, Stirling.
Girvan . .	John Campbell Kennedy, Esq., of Dunure.	T. Gerald Tait, Solicitor, Girvan.
Gruinard and Little Gruinard	Alfred N. G. Aitken, Esq., S.S.C., Edinburgh, Factor and Commissioner for Hugh Mackenzie, Esq., of Dundonnell.	W. R. T. Middleton, Solicitor, Dingwall.
Kyle of Sutherland	Sir Charles Lockhart Ross., Bart., of Balnagowan.	John M'Crone, Solicitor, Dornoch.

APPENDIX R.—(*continued*)—List of Chairmen and Clerks of Salmon Fishery District Boards in Scotland.

District.	Name and Address of Chairman.	Name and Address of Clerk.
Little Broom .	Alfred N. G. Aitken, Esq., S.S.C., Edinburgh, Factor and Commissioner for Hugh Mackenzie, Esq., of Dundonnell.	W. R. T. Middleton, Solicitor, Dingwall.
Lochy . .	Factor and Mandatory for the Trustees of the late Lord Abinger, Inverlochy Castle, Fort-William.	Duncan Maclachlan, Solicitor, Fort-William.
Nairn . . .	Brodie of Brodie, Brodie Castle, Forres.	H. T. Donaldson, Solicitor, Nairn.
Ness . .	Col. E. C. Ellice of Glengarry, Fort-Augustus.	Anderson & Shaw, Solicitors, Inverness.
Nith . .	John Henderson, Esq., Solicitor, Dumfries.	C. Steuart Phyn, Procurator-Fiscal, Dumfries.
Sligachan, Broadford, & Portree (Skye)	The Hon. Godfrey MacDonald, Portree.	Kenneth Macrae, Sheriff-Clerk, Portree.
Snizort, Orley, Oze, and Drynock (Skye)	The Hon. Godfrey MacDonald, Portree.	Kenneth Macrae, Sheriff-Clerk, Portree.
Spey . .	The Duke of Richmond and Gordon, Gordon Castle, Fochabers, per George Muirhead, Esq., Commissioner.	T. R. Mackenzie and A. F. Macdonald, Solicitors, Elgin.
Stinchar . .	The Earl of Stair, Lochinch, Wigtownshire.	Stair M'Harrie, Rephad, Stranraer.
Tay . .	The Earl of Moray, Kinfauns Castle, Perth.	Condie, Mackenzie, & Co., Solicitors, Perth.
Thurso . .	Peter Keith, Esq., Mandatory for Archibald H. M. Sinclair, Esq., of Ulbster.	David Keith-Murray, Solicitor, Thurso.
Torridon . .	C. R. Manners, Esq., C.E., 12 Lombard Street, Inverness.	Duncan Shaw, W.S., 15 High Street, Inverness.
Tweed (Police Committee of the Commissioners)	Sir Richard John Waldie-Griffith, Bart., of Hendersyde Park, Kelso.	David W. B. Tait, W.S., Kelso.
Ugie . .	Lieut-Col. Ferguson, of Pitfour, Mintlaw.	David Troup, Solicitor, Peterhead.
Wick . .	Mrs. Duff Dunbar, of Hempriggs, Ackergill Tower, Wick.	D. W. Georgeson, Solicitor, Wick.
Ythan . .	Earl of Errol, Slains Castle, Aberdeenshire.	D. M. A. Chalmers, Advocate, Aberdeen.

Note.—In addition to the districts specified above, the Duke of Sutherland is sole proprietor in the following river districts:—Helmsdale, Brora, and Fleet, on the east coast, Laxford, and Inchard, on the west coast, Halladale, Naver and Borgie, and Kinloch, on the north coast (under the charge of his factor, Mr. John Morrison, Sutherland Estate Office, Golspie); Mr. J. W. Stewart is sole proprietor in the Inver and Kirkaig districts (in charge of his factor, Mr. Murdo Kerr, Assynt Estate Office, Lochinver); Mr. W. E. Gilmour of Rosehall is sole proprietor of the rivers Dionard, Polla, Strathy, and Armadale, and part owner, with the Duke of Sutherland, of the River Hope district (Mr. A. Gunn, Overseer, Durness, by Lairg, acts for Mr. Gilmour); Lord Lovat has practically sole rights of fishing in the river Beauly (under the charge of his factor, Mr. J. T. Garrioch, Estate Office, Beauly); and the Countess of Cromarty is sole proprietrix of the district of the river Kannaird (under the charge of her factor, Mr. Alex. Taylor, Cromarty Estate Office, Kildary).

Printed under the authority of His Majesty's Stationery Office
By Morrison & Gibb, Limited, Edinburgh.

FISHERY BOARD FOR SCOTLAND—(*continued*).

Salmon Fisheries, 1913.

I. Salmon Research in 1913; Sea Netting Results. *With Chart.*
II. Results of Salmon Marking in Rivers—ninth paper.
III. The Spawning Mark on Salmon Scales: A Review. *With Plate.*
(1914.) Price 9*d.*, post free 10*d.*

Salmon Fisheries, 1914.

I. Hatchery Results at Glen Etive.
II. Further Notes on the percentage of previously-spawned Salmon. *With Plates.*
(1914.) Price 9*d.*, post free 10*d.*
III. Salmon Research in 1914; Sea Netting Results—second paper. *With 2 Charts.*
IV. Study of the Salmon of the Moray Firth.
(1915.) Price 1*s.*, post free 1*s.* 1½*d.*

Salmon Fisheries, 1915.

I. Salmon Research in 1915; Sea Netting Results—third paper. *With Chart and Diagram.* (1916.) Price 1*s.*, post free 1*s.* 1½*d.*
II. Salmon of the East Coast of Sutherland. Statistics of Catch, based on Scale Examination. *With 10 Diagrams.* (1916.) Price 9*d.*, post free 9½*d.*

Scientific Investigations, 1909.

I. Report on Larval and later Stages of certain Decapod Crustacea. *Illustrated.* (1911.) Price 2*s.* 3*d.*, post free 2*s.* 4*d.*

Scientific Investigations, 1910.

I. Reproductive Organs of Sparus Centrodontus, Sparus Cantharus, Sebastes Marinus, and Sebastes Dactylopterus; and on the Ripe Eggs and Larvae of Sparus Centrodontus (?) and Sebastes Marinus. (1911.) Price 1*s.* 6*d.*, post free 1*s.* 7½*d.*
II. Retardation of the Development of the Ova of the Herring. (1911.) Price 4*d.*, post free 4½*d.*

Scientific Investigations, 1911.

I. Notes on some small Crustacea from the "Goldseeker" Collections. (1912.) Price 9*d.*, post free 9½*d.*
II. Report on Diseases and Abnormalities in Fishes. *With Plates.* (1913.) Price 2*s.*, post free 2*s.* 1½*d.*

Scientific Investigations, 1912.

I. Eggs of certain Skates (Raia). *With Plates.* (1913.) Price 6*d.*, post free 7*d.*
II. Distribution of the Larvae of the Eel in Scottish Waters. (1913.) Price 4*d.*, post free 4½*d.*

Scientific Investigations, 1913.

I. Aberdeen Trawling Statistics, 1912. Price 3*s.* 6*d.*, post free 3*s.* 8½*d.*
II. Deep Sea Currents of the North Sea, as ascertained by means of Drift Bottles. Second Report. *With Charts.* Price 1*s.* 6*d.*, post free 1*s.* 7½*d.*
III. Spawning Areas of Sand-eels in the North Sea. *With Chart.* (1914.) Price 4*d.*, post free 4½*d.*

Scientific Investigations, 1914.

I. European Races of Herrings. A Short Résumé of the Researches into the, and the Method of Investigations. (1914.) Price 6*d.*, post free 6½*d.*
II. Distribution of Plaice Eggs in the Northern North Sea. *With Text Figures and Chart.* Price 2*s.*, post free 2*s.* 1½*d.*

FISHERY BOARD FOR SCOTLAND—(*continued*).

SCIENTIFIC INVESTIGATIONS, 1914—(*continued*).

III. Aberdeen Fishery Statistics, 1913. *With Charts.* (1915.) Price 3*s.*, post free 3*s.* 2*d.*

IV. Mean Sea Level and its Fluctuations. *With Charts.* (1915.) Price 1*s.*, post free 1*s.* 1*d.*

FISHERY AND HYDROGRAPHICAL INVESTIGATIONS, 1908–1911.

FIFTH REPORT (NORTHERN AREA) ON FISHERY AND HYDROGRAPHICAL INVESTIGATIONS IN THE NORTH SEA AND ADJACENT WATERS, conducted in co-operation with the International Council for the Exploration of the Sea. 1908–1911.

I. Observations on the Plaice from the "Goldseeker" Experiments, and from the Statistics of the Aberdeen Market.

II. On the Distribution and Seasonal Abundance of Flatfishes (*Pleuronectidae*) in the North Sea, and the Fluctuations in their Abundance during the years 1901–1910.

III. On the Marking of Plaice and other Fish by the S.S. "Goldseeker" during the years 1904–1909.

IV. On the Egg-production of certain Fishes.

V. Statistics of Trawled Fish landed at Aberdeen during the years 1908–1911, showing the Place and Season of Capture.

VI. On Hydrographical Investigations in the North Sea and the Faeroe Channel during the years 1909–1910.

With charts and diagrams.

[Cd. 6950] of Session 1913. Price 14*s.*, post free 14*s.* 7*d.*

FISHING BOAT MOTOR ENGINES.

Report on Fishing Boat Motor Engines exhibited, &c., at the North Sea Fisheries Exhibition, Yarmouth, Nov. 1910. (1911.) Price 2*d.*, post free 2½*d.*

Do. at the Fisheries and Marine Motor Exhibition, Copenhagen, July and August 1912. (1912.) Price 1*d.*, post free 1½*d.*

NORTH SEA FISHING INDUSTRY.

SCOTTISH DEPARTMENTAL COMMITTEE appointed to inquire into and report upon certain matters connected with the Development of the Scottish Sea Fishing Industry, after visiting the various Countries engaged in Fishing in the North Sea.

VOL. I. REPORT.—General survey of the conditions under which the Fisheries in the North Sea and adjacent seas are carried on, with maps; detailed surveys of the Norwegian, Swedish, Danish, German North Sea and Baltic, and Dutch Sea Fisheries; Fishery Administration, Scientific Research, and Educational Facilities for Fishermen in those Countries; the nature of the means of capture and the methods by which fishermen obtain the necessary capital to maintain the efficiency of their vessels and equipment; Summary of Recommendations; &c. With Appendices.

[Cd. 7221] of Session 1914. Price 3*s.* 1*d.*, post free 3*s.* 6*d.*

VOL. II. MINUTES OF EVIDENCE.—Contains list of witnesses examined from 27th February 1912 to 16th May 1913, and the Evidence taken; also selected written Statements furnished by Witnesses. With Index to the Minutes of Evidence.

[Cd. 7462] of Session 1914. Price 1*s.* 10*d.*, post free 2*s.* 3*d.*

MCZ ERNST MAYR LIBRARY
3 2044 128 418 241

Date Due